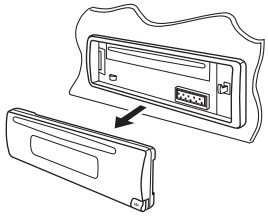
JVC

# SERVICE MANUAL

## CD RECEIVER

# KD-G110,KD-S11

| Area suffix |
| --- |
| J ---------- Northern America |

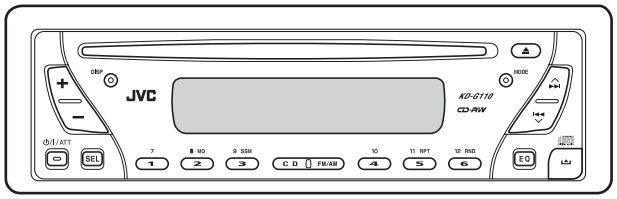



CD-RW

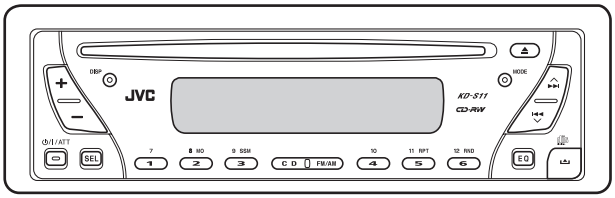
COMPACT disc DIGITAL AUDIO

Amplifier Power Standard CEA CEA-2006 Compliant

KD-G110




KD-S11

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No.MA121
2005/02

# SPECIFICATION

**KD-G110**

| | | |
|---|---|---|
| **AUDIO AMPLIFIER SECTION** | | |
| Power Output | | 18 W RMS × 4 Channels at 4 Ω and [< or =] 1% THD+N |
| Signal to Noise Ratio | | 80 dBA (reference: 1 W into 4 Ω) |
| Load Impedance | | 4 Ω (4 Ω to 8 Ω allowance) |
| Tone Control Range | Bass | ±10 dB at 100 Hz |
| | Treble | ±10 dB at 10 kHz |
| Frequency Response | | 40 Hz to 20 000 Hz |
| Line-Out Level/Impedance | | 2.0 V/20 kΩ load (full scale) |
| Output Impedance | | 1 kΩ |
| **TUNER SECTION** | | |
| Frequency Range | FM | 87.5 MHz to 107.9 MHz (with channel interval set to 200 kHz) |
| | | 87.5 MHz to 108.0 MHz (with channel interval set to 50 kHz) |
| | AM | 530 kHz to 1 710 kHz (with channel interval set to 10 kHz) |
| | | 531 kHz to 1 602 kHz (with channel interval set to 9 kHz) |
| FM Tuner | Usable Sensitivity | 11.3 dBf (1.0 μV/75 Ω) |
| | 50 dB Quieting Sensitivity | 16.3 dBf (1.8 μV/75 Ω) |
| | Alternate Channel Selectivity (400 kHz) | 65 dB |
| | Frequency Response | 40 Hz to 15 000 Hz |
| | Stereo Separation | 35 dB |
| | Capture Ratio | 1.5 dB |
| AM Tuner | Sensitivity | 20 μV |
| | Selectivity | 35 dB |
| **CD PLAYER SECTION** | | |
| Type | | Compact disc player |
| Signal Detection System | | Non-contact optical pickup (semiconductor laser) |
| Number of channels | | 2 channels (stereo) |
| Frequency Response | | 5 Hz to 20 000 Hz |
| Dynamic Range | | 96 dB |
| Signal-to-Noise Ratio | | 98 dB |
| Wow and Flutter | | Less than measurable limit |
| **GENERAL** | | |
| Power Requirement | Operating Voltage | DC 14.4 V (11 V to 16 V allowance) |
| Grounding System | | Negative ground |
| Allowable Operating Temperature | | 0°C to +40°C (32°F to 104°F) |
| Dimensions (W × H × D) | Installation Size (approx.) | 182 mm × 52 mm × 150 mm (7-3/16" × 2-1/16" × 5-15/16") |
| | Panel Size (approx.) | 188 mm × 58 mm × 11 mm (7-7/16" × 2-5/16" × 7/16") |
| Mass (approx.) | | 1.3 kg (2.9 lbs) (excluding accessories) |

**KD-S11**

| | | |
|---|---|---|
| **AUDIO AMPLIFIER SECTION** | | |
| Power Output | | 17 W RMS × 4 Channels at 4 Ω and [< or =] 1% THD+N |
| Signal to Noise Ratio | | 80 dBA (reference: 1 W into 4 Ω) |
| Load Impedance | | 4 Ω (4 Ω to 8 Ω allowance) |
| Tone Control Range | Bass | ±10 dB at 100 Hz |
| | Treble | ±10 dB at 10 kHz |
| Frequency Response | | 40 Hz to 20 000 Hz |
| Line-Out Level/Impedance | | 2.0 V/20 kΩ load (full scale) |
| Output Impedance | | 1 kΩ |
| **TUNER SECTION** | | |
| Frequency Range | FM | 87.5 MHz to 107.9 MHz (with channel interval set to 200 kHz) |
| | | 87.5 MHz to 108.0 MHz (with channel interval set to 50 kHz) |
| | AM | 530 kHz to 1 710 kHz (with channel interval set to 10 kHz) |
| | | 531 kHz to 1 602 kHz (with channel interval set to 9 kHz) |
| FM Tuner | Usable Sensitivity | 11.3 dBf (1.0 μV/75 Ω) |
| | 50 dB Quieting Sensitivity | 16.3 dBf (1.8 μV/75 Ω) |
| | Alternate Channel Selectivity (400 kHz) | 65 dB |
| | Frequency Response | 40 Hz to 15 000 Hz |
| | Stereo Separation | 35 dB |
| | Capture Ratio | 1.5 dB |
| AM Tuner | Sensitivity | 20 μV |
| | Selectivity | 35 dB |
| **CD PLAYER SECTION** | | |
| Type | | Compact disc player |
| Signal Detection System | | Non-contact optical pickup (semiconductor laser) |
| Number of channels | | 2 channels (stereo) |
| Frequency Response | | 5 Hz to 20 000 Hz |
| Dynamic Range | | 96 dB |
| Signal-to-Noise Ratio | | 98 dB |
| Wow and Flutter | | Less than measurable limit |
| **GENERAL** | | |
| Power Requirement | Operating Voltage | DC 14.4 V (11 V to 16 V allowance) |
| Grounding System | | Negative ground |
| Allowable Operating Temperature | | 0°C to +40°C (32°F to 104°F) |
| Dimensions (W × H × D) | Installation Size (approx.) | 182 mm × 52 mm × 150 mm (7-3/16" × 2-1/16" × 5-15/16") |
| | Panel Size (approx.) | 188 mm × 58 mm × 11 mm (7-7/16" × 2-5/16" × 7/16") |
| Mass (approx.) | | 1.3 kg (2.9 lbs) (excluding accessories) |

Design and specifications are subject to change without notice.

# SECTION 1
# PRECAUTIONS

## 1.1 Safety Precautions

> ⚠ ***CAUTION*** **Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.**

> ⚠ ***CAUTION*** **Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.**

### 1.2 Preventing static electricity

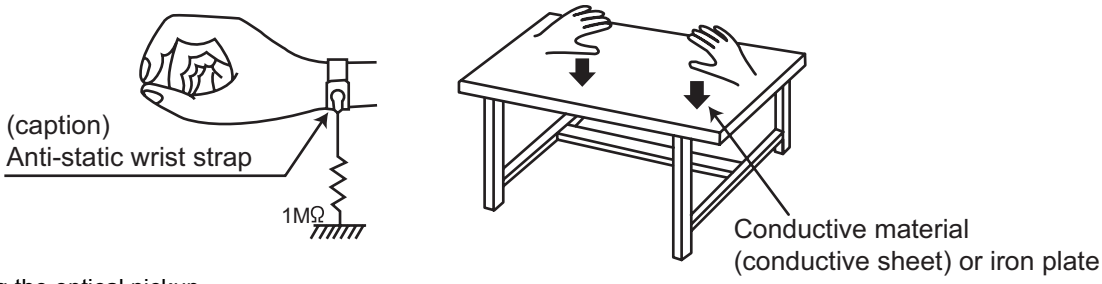
Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

#### 1.2.1 Grounding to prevent damage by static electricity

Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as CD players.
Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench
Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

(2) Ground yourself
Use an anti-static wrist strap to release any static electricity built up in your body.




(3) Handling the optical pickup
- In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)
- Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

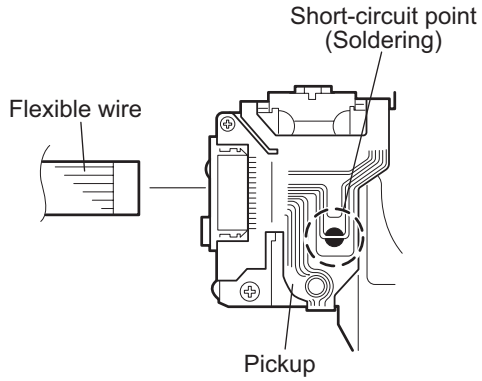
### 1.3 Handling the traverse unit (optical pickup)

(1) Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
(2) Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.
(3) Handle the flexible cable carefully as it may break when subjected to strong force.
(4) It is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it.

### 1.4 Attention when traverse unit is decomposed

***Please refer to "Disassembly method" in the text for the CD pickup unit.**

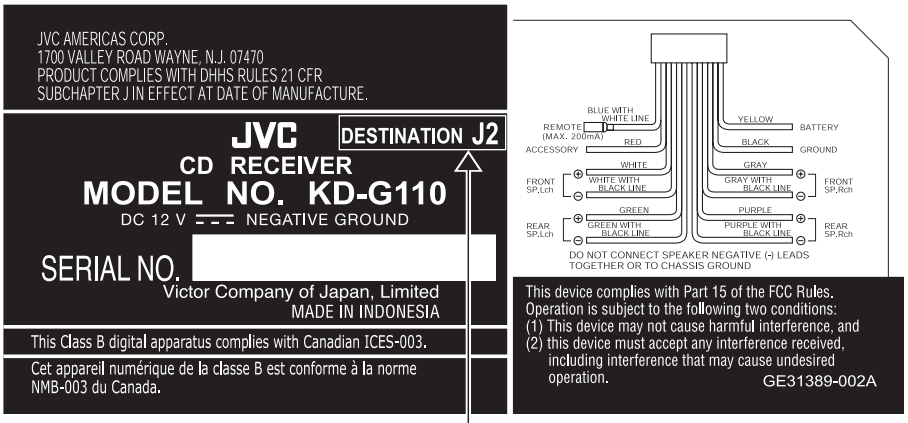
- Apply solder to the short land before the flexible wire is disconnected from the connector on the CD pickup unit. (If the flexible wire is disconnected without applying solder, the CD pickup may be destroyed by static electricity.)
- In the assembly, be sure to remove solder from the short land after connecting the flexible wire.



# SECTION 2
# SPECIFIC SERVICE INSTRUCTIONS

## 2.1 HOW TO IDENTIFY MODELS

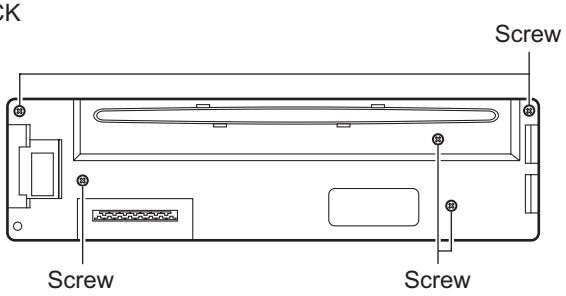
### 2.1.1 NAME PLATE


JVC AMERICAS CORP.
1700 VALLEY ROAD WAYNE, N.J. 07470
PRODUCT COMPLIES WITH DHHS RULES 21 CFR
SUBCHAPTER J IN EFFECT AT DATE OF MANUFACTURE.
JVC
DESTINATION J2
CD RECEIVER
MODEL NO. KD-G110
DC 12 V NEGATIVE GROUND
SERIAL NO.
Victor Company of Japan, Limited
MADE IN INDONESIA
This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.
BLUE WITH WHITE LINE
REMOTE (MAX. 200mA)
ACCESSORY
RED
WHITE
FRONT SP.Lch
WHITE WITH BLACK LINE
GREEN
REAR SP.Lch
GREEN WITH BLACK LINE
YELLOW
BATTERY
BLACK
GROUND
GRAY
GRAY WITH BLACK LINE
FRONT SP.Rch
PURPLE
PURPLE WITH BLACK LINE
REAR SP.Rch
DO NOT CONNECT SPEAKER NEGATIVE (-) LEADS TOGETHER OR TO CHASSIS GROUND
This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.
GE31389-002A

Discernment sign (as same as KD-S11)

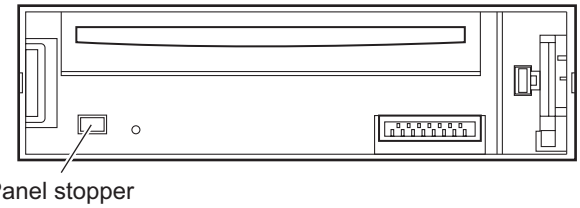
### 2.1.2 FRONT PANEL BACK SIDE

**Screw color**
J: SILVER
J2: BLACK




### 2.1.3 FRONT CHASSIS ASSEMBLY

**Panel stopper color**
J: SILVER
J2: BLACK



# SECTION 3
# DISASSEMBLY

## 3.1 Main body section

### 3.1.1 Removing the front panel assembly (See Fig.1)

(1) Push the detach button in the lower right part of the front panel assembly and remove the front panel assembly.

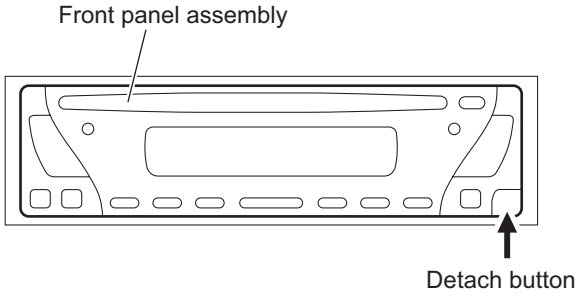



Fig.1

### 3.1.2 Removing the bottom cover (See Fig.2)

(1) Turn the main body up side down.

(2) Insert a screwdriver under the joints to release the two joints **a** on the left side, two joints **b** on the right side and joint **c** on the back side of the main body, then remove the bottom cover from the main body.

**Note:**

When releasing the joints using a screwdriver, do not damage the main board.

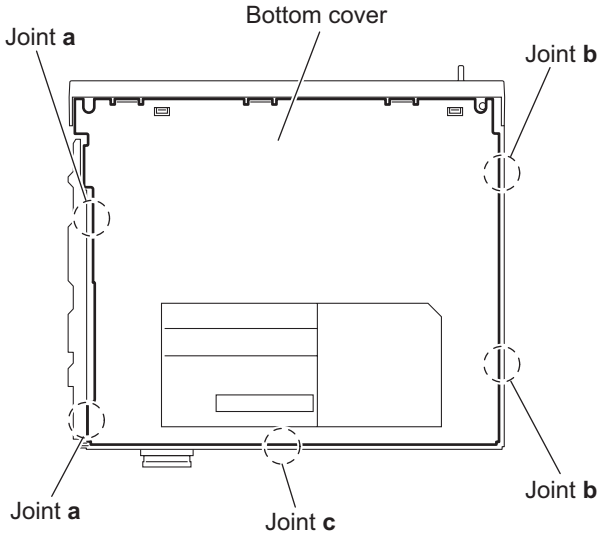



Fig.2

### 3.1.3 Removing the front chassis assembly (See Fig.3)

• Remove the front panel assembly and bottom cover.

(1) Remove the two screws **A** on the both sides of the main body.

(2) Release the two joints **d** and two joints **e** on the both sides of the main body, then remove the front chassis assembly toward the front.

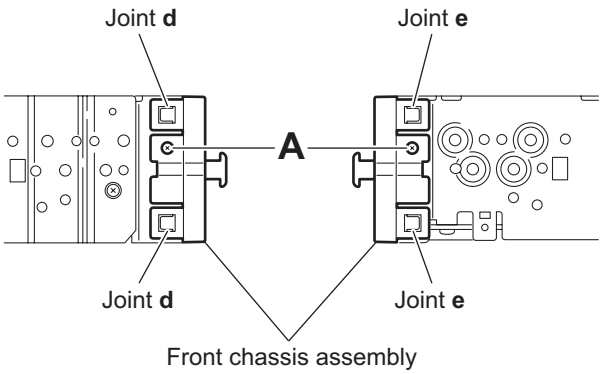



Fig.3

### 3.1.4 Removing the side panel (See Fig.4)

**Reference:**

Remove the front panel assembly as required.

(1) Remove the screw **B** and two screws **C** attaching the side panel on the left side of the main body.

(2) Remove the side panel from the main body.

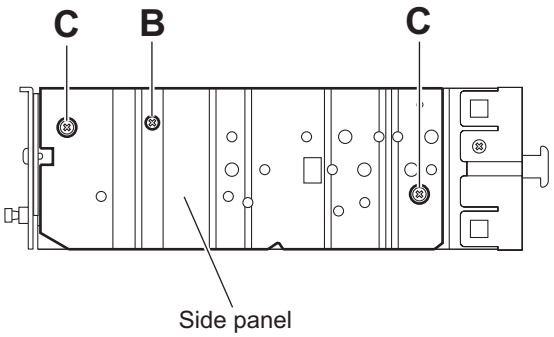



Fig.4

### 3.1.5 Removing the rear bracket (See Fig.5)

- Remove the bottom cover.

(1) Remove the three screws **D**, three screws **E** and two screws **F** attaching the rear bracket on the back side of the main body.

(2) Remove the rear bracket.

### 3.1.6 Removing the main board (See Figs.5 and 6)

- Remove the front panel assembly, bottom cover and side panel.

**Reference:**

Remove the front chassis assembly as required.

(1) Remove the three screws **D** attaching the rear bracket on the back side of the main body. (See Fig.5.)

(2) Remove the two screws **G** attaching the main board. (See Fig.6.)

(3) Disconnect the connector CN501 on the main board from the main body and take out the main board with the rear bracket. (See Fig.6.)

**Reference:**

Remove the rear bracket from the main body as required. (See "3.1.5 Removing the rear bracket".)

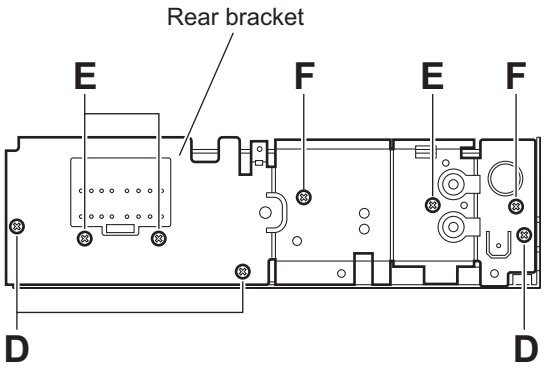



Fig.5

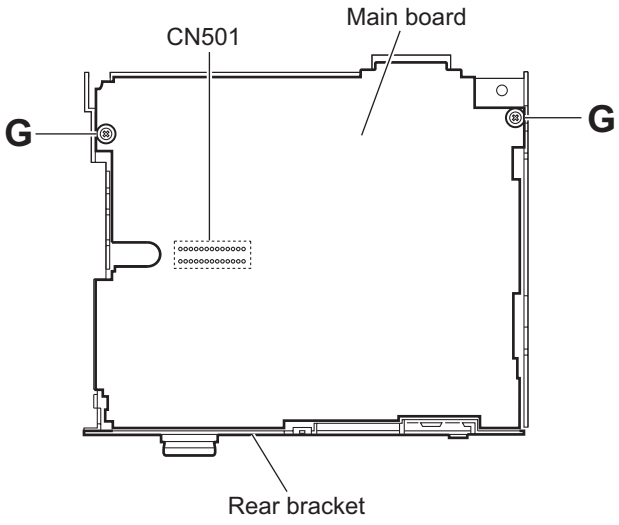



Fig.6

### 3.1.7 Removing the CD mechanism assembly (See Fig. 7)

- Remove the front panel assembly, bottom cover, side panel, rear bracket and main board.

**Reference:**

Remove the front chassis assembly as required.

(1) Remove the three screws **H** attaching the CD mechanism assembly on the top chassis.

(2) Take out the CD mechanism assembly.

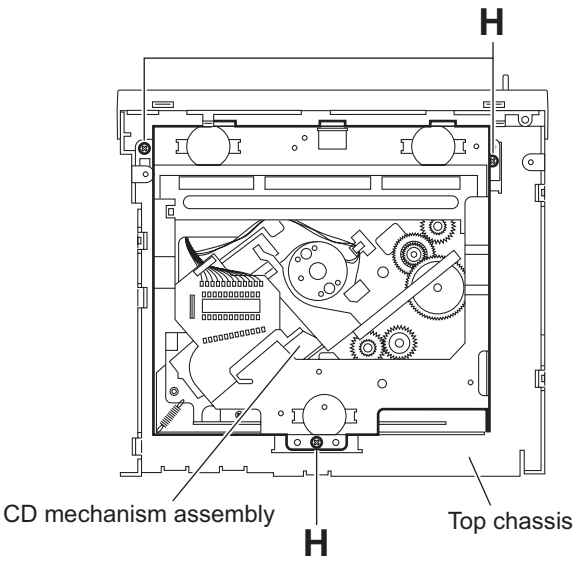



Fig.7

### 3.1.8 Removing the front board (See Figs.8 to 10)

- Remove the front panel assembly.

(1) Remove the five screws **J** on the back side of the front panel assembly. (See Fig.8.)

(2) Release the twelve joints **f** and remove the rear cover. (See Fig.9.)

(3) Release the joint **g** and take out the front board from the front panel assembly. (See Fig.10.)

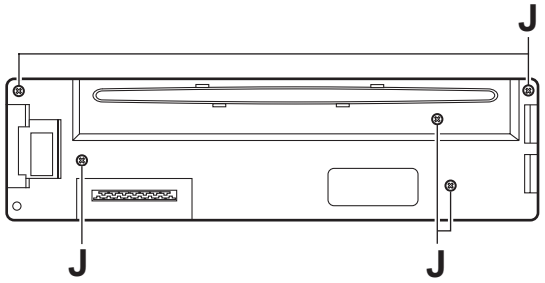



Fig.8

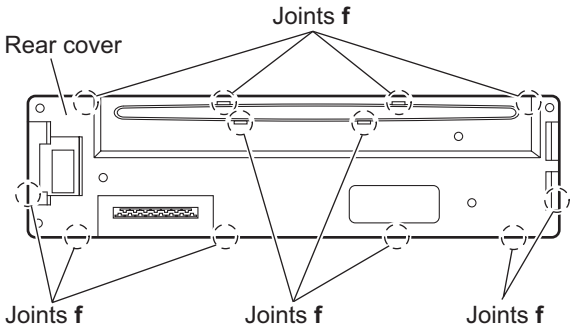



Fig.9

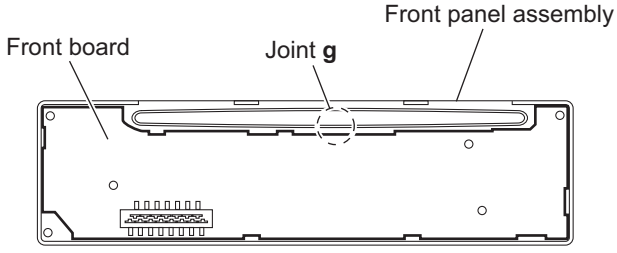



Fig.10

### 3.2 CD Mechanism Assembly

#### 3.2.1 Removing the top cover (See Figs.1 and 2)

(1) Remove the two screws **A** on the both side of the body.
(2) Lift the front side of the top cover and move the top cover backward to release the two joints **a**.

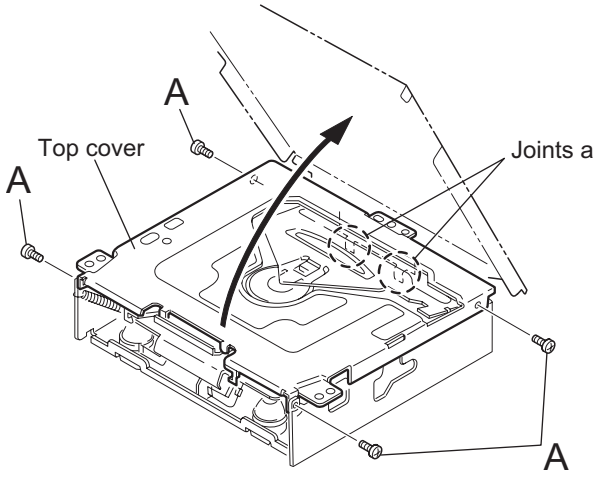



Fig.1

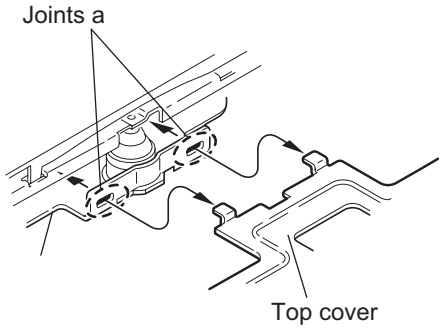



Fig.2

### 3.2.2 Removing the connector board (See Figs.3 to 5)

**CAUTION:**

Before disconnecting the flexible wire from the pickup, solder the short-circuit point on the pickup. No observance of this instruction may cause damage of the pickup.

(1) Remove the screw **B** fixing the connector board.
(2) Solder the short-circuit point on the connector board.
(3) Disconnect the flexible wire from the pickup.
(4) Move the connector board in the direction of the arrow to release the two joints **b**.
(5) Unsolder the wire on the connector board if necessary.

**CAUTION:**

Unsolder the short-circuit point after reassembling.

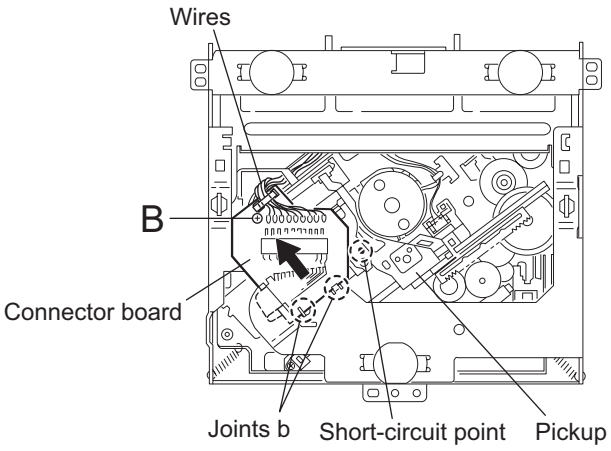


Fig.3

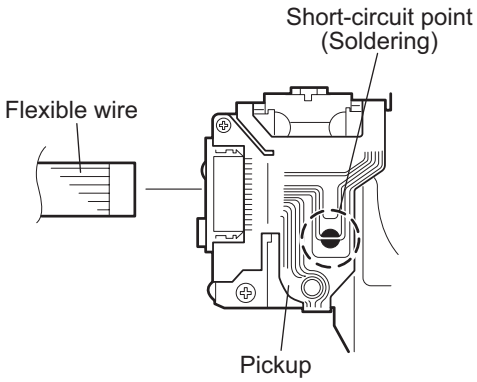


Fig.4

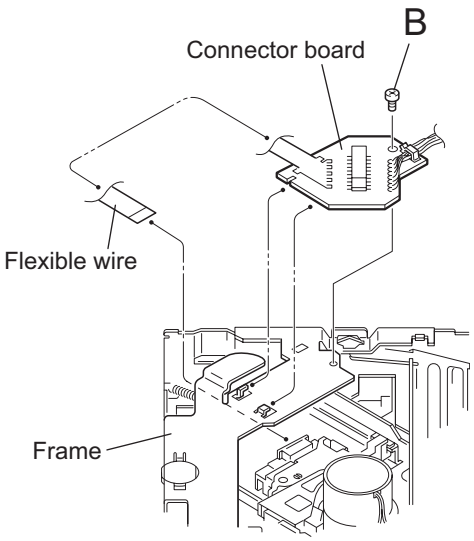


Fig.5

### 3.2.3 Removing the DET switch (See Figs.6 and 7)

(1) Extend the two tabs **c** of the feed sw. holder and pull out the switch.
(2) Unsolder the DET switch wire if necessary.

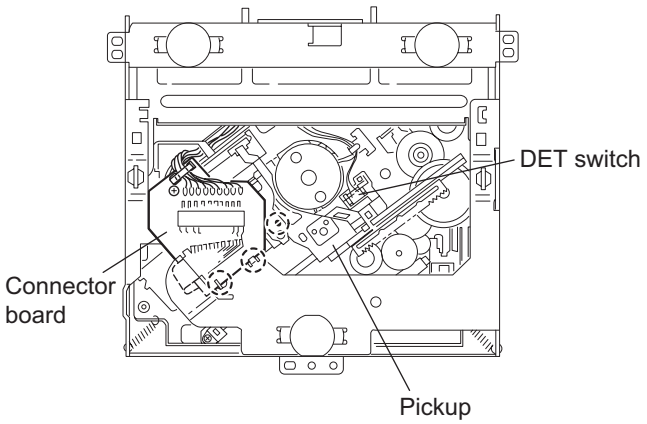



Fig.6

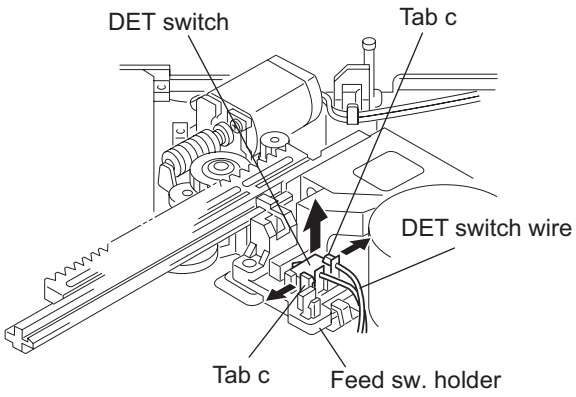



Fig.7

### 3.2.4 Removing the chassis unit (See Figs.8 and 9)

- Prior to performing the following procedure, remove the top cover and connector board.
  (1) Remove the two suspension springs (L) and (R) attaching the chassis unit to the frame.

  **CAUTION:**
  - The shape of the suspension spring (L) and (R) are different. Handle them with care.
  - When reassembling, make sure that the three shafts on the underside of the chassis unit are inserted to the dampers certainly.

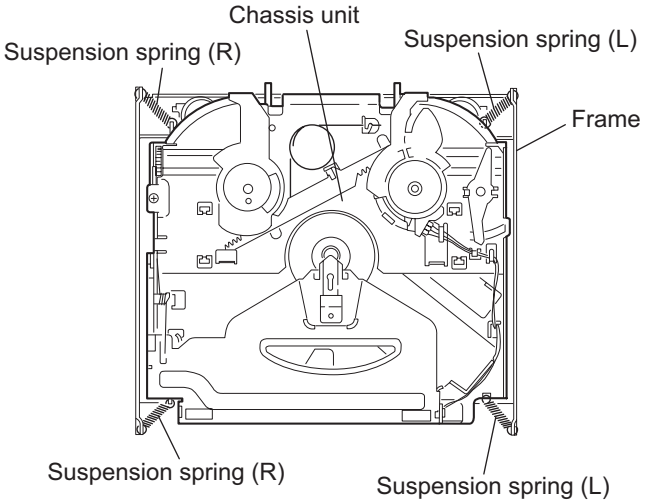



Fig.8

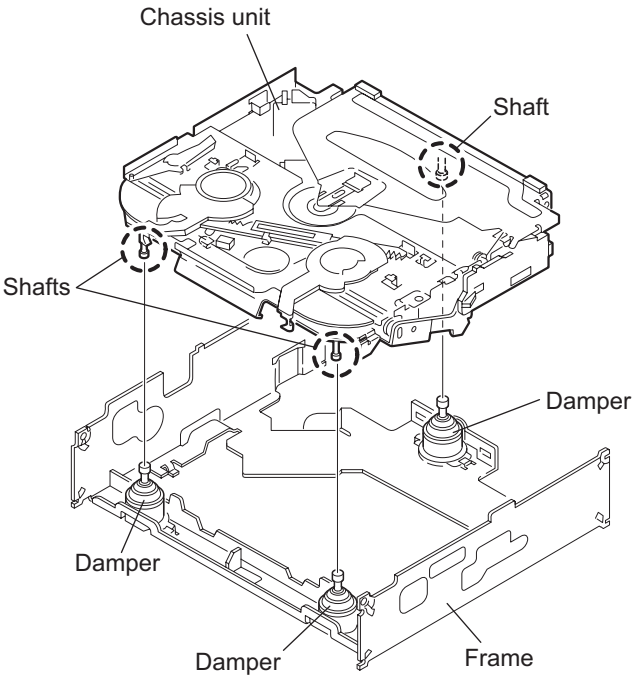



Fig.9

### 3.2.5 Removing the clamper assembly (See Figs.10 and 11)

- Prior to performing the following procedure, remove the top cover.
  (1) Remove the clamper arm spring.
  (2) Move the clamper assembly in the direction of the arrow to release the two joints **d**.

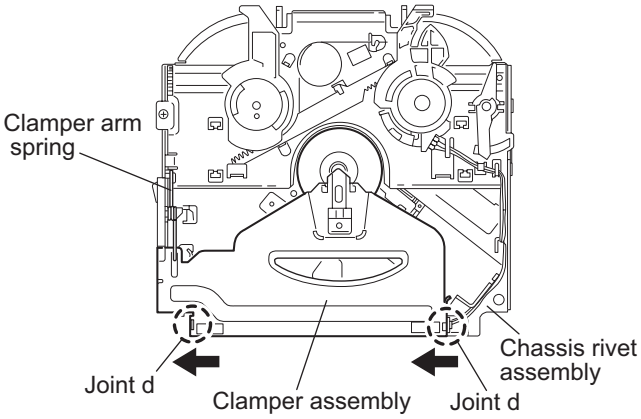


Fig.10

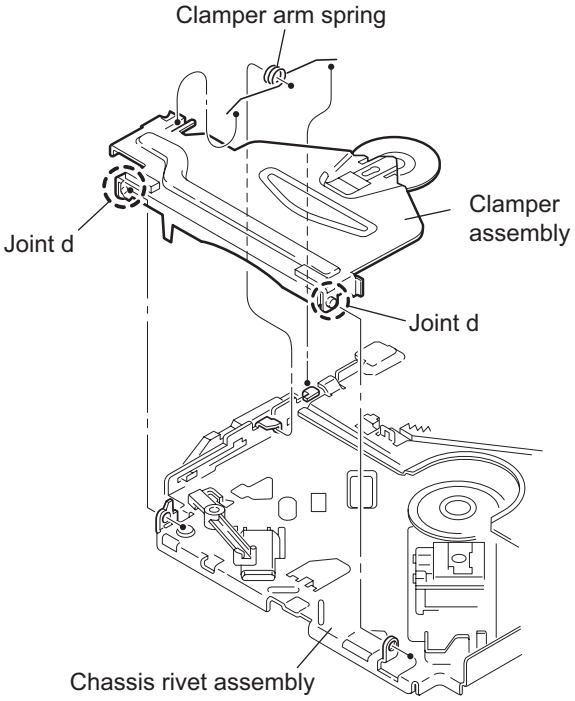


Fig.11

### 3.2.6 Removing the loading / feed motor assembly (See Figs.12 and 13)

- Prior to performing the following procedure, remove the top cover, connector board and chassis unit.
  (1) Remove the screw **C** and move the loading / feed motor assembly in the direction of the arrow to remove it from the chassis rivet assembly.
  (2) Disconnect the wire from the loading / feed motor assembly if necessary.

  **CAUTION:**
  When reassembling, connect the wire from the loading / feed motor assembly to the flame as shown in Fig.12.

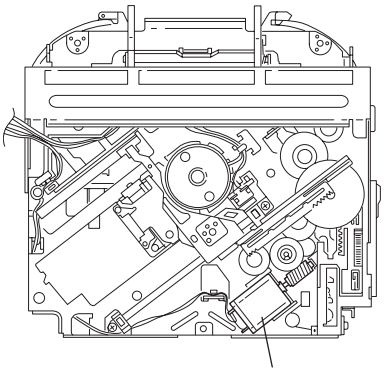



Fig.12

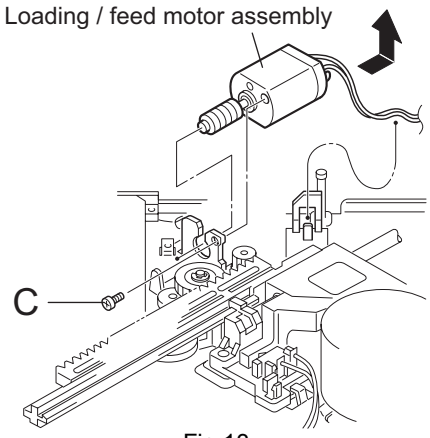



Fig.13

### 3.2.7 Removing the pickup unit (See Figs.14 to 18)

- Prior to performing the following procedure, remove the top cover, connector board and chassis unit.
  (1) Remove the screw **D** and pull out the pu. shaft holder from the pu. shaft.
  (2) Remove the screw **E** attaching the feed sw. holder.
  (3) Move the part **e** of the pickup unit upward with the pu. shaft and the feed sw. holder, then release the joint f of the feed sw. holder in the direction of the arrow. The joint **g** of the pickup unit and the feed rack is released, and the feed sw. holder comes off.
  (4) Remove the pu. shaft from the pickup unit.
  (5) Remove the screw **F** attaching the feed rack to the pickup unit.

### 3.2.8 Reattaching the pickup unit (See Figs.14 to 17)

(1) Reattach the feed rack to the pickup unit using the screw **F**.
(2) Reattach the feed sw. holder to the feed rack while setting the joint g to the slot of the feed rack and setting the part f of the feed rack to the switch of the feed sw. holder correctly.
(3) As the feed sw. holder is temporarily attached to the pickup unit, set to the gear of the joint g and to the bending part of the chassis (joint **h**) at a time.

**CAUTION:**

Make sure that the part i on the underside of the feed rack is certainly inserted to the slot j of the change lock lever.

(4) Reattach the feed sw. holder using the screw **E**.
(5) Reattach the pu. shaft to the pickup unit. Reattach the pu. shaft holder to the pu. shaft using the screw **D**.

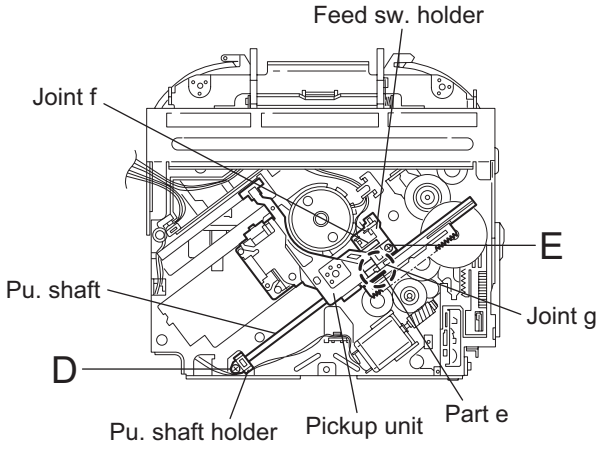


Fig.14

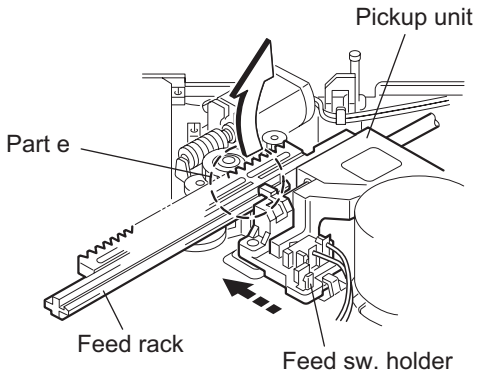


Fig.15

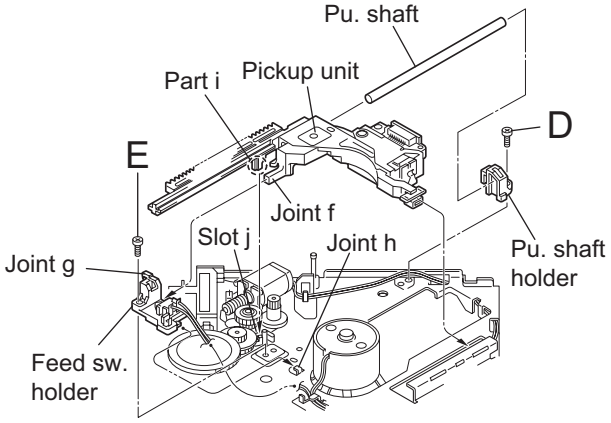


Fig.16

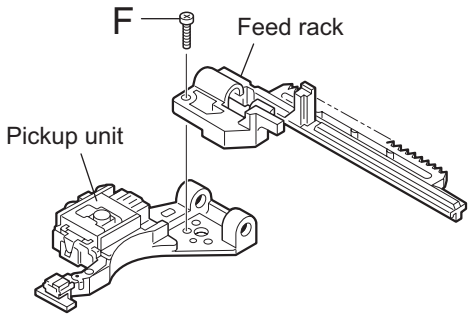


Fig.17

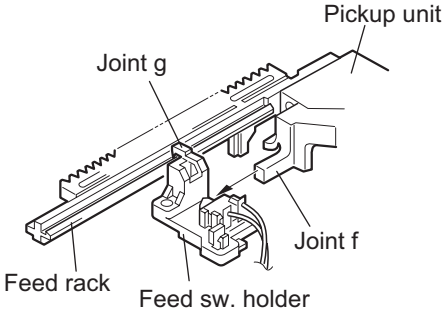


Fig.18

### 3.2.9 Removing the trigger arm (See Figs.19 and 20)

- Prior to performing the following procedure, remove the top cover, connector board and clamper unit.
  (1) Turn the trigger arm in the direction of the arrow to release the joint **k** and pull out upward.

  **CAUTION:**

  When reassembling, insert the part m and n of the trigger arm into the part **p** and **q** at the slot of the chassis rivet assembly respectively and join the joint k at a time.

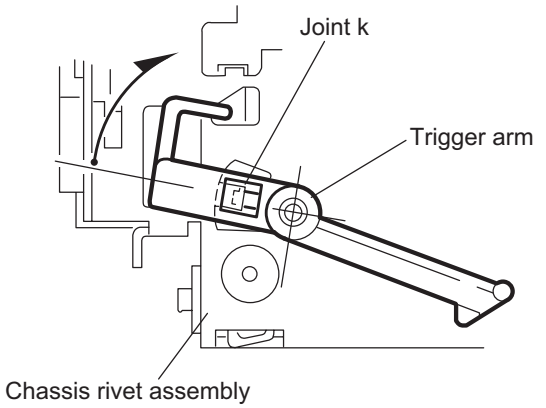



Fig.19

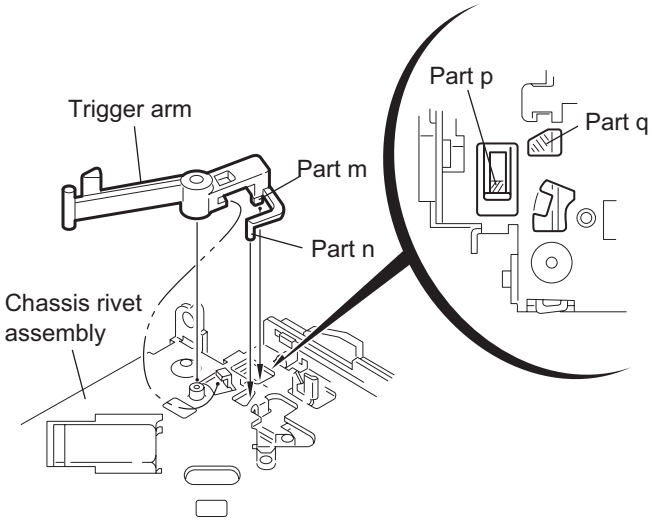



Fig.20

### 3.2.10 Removing the top plate assembly (See Fig.21)

- Prior to performing the following procedure, remove the top cover, connector board, chassis unit, and clamper assembly.
  (1) Remove the screw **H**.
  (2) Move the top plate assembly in the direction of the arrow to release the two joints r.
  (3) Unsolder the wire marked s if necessary.

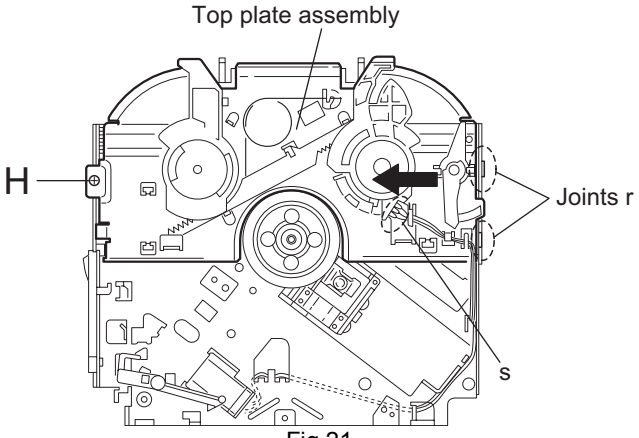



Fig.21

### 3.2.11 Removing the mode sw. / select lock arm (See Figs.22 and 23)

- Prior to performing the following procedure, remove the top plate assembly.
  (1) Bring up the mode sw. to release from the link plate (joint **t**) and turn in the direction of the arrow to release the joint **u**.
  (2) Unsolder the wire of the mode sw. marked s if necessary.
  (3) Turn the select lock arm in the direction of the arrow to release the two joints **v**.
  (4) The select lock arm spring comes off the select lock arm at the same time.

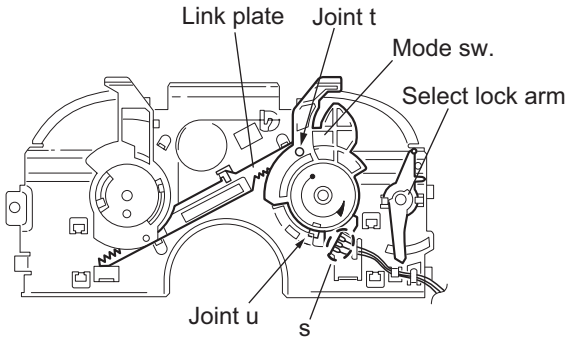


Fig.22

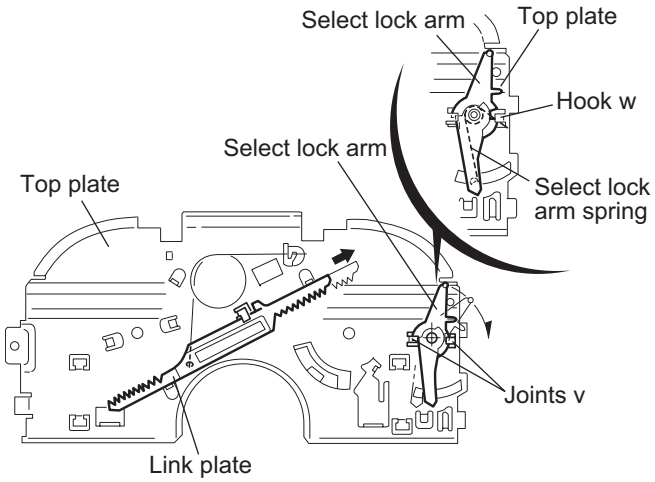


Fig.23

### 3.2.12 Reassembling the mode sw. / select lock arm (See Figs.24 to 26)

**REFERENCE:**

Reverse the above removing procedure.

(1) Reattach the select lock arm spring to the top plate and set the shorter end of the select lock arm spring to the hook w on the top plate.

(2) Set the other longer end of the select lock arm spring to the boss x on the underside of the select lock arm, and join the select lock arm to the slots (joint **v**). Turn the select lock arm as shown in the figure.

(3) Reattach the mode sw. while setting the part t to the first peak of the link plate gear, and join the joint **u**.

**CAUTION:**

When reattaching the mode sw., check if the points y and z are correctly fitted and if each part operates properly.

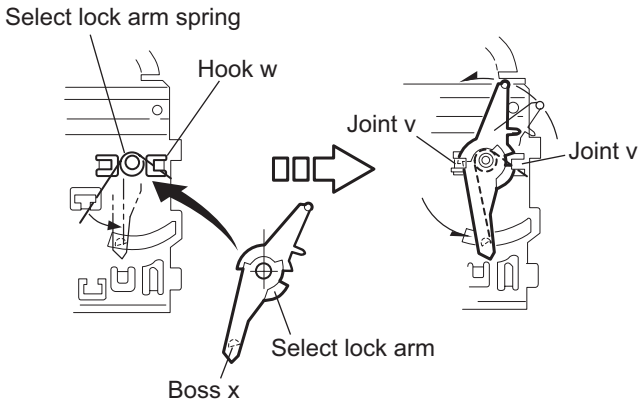



Fig.24

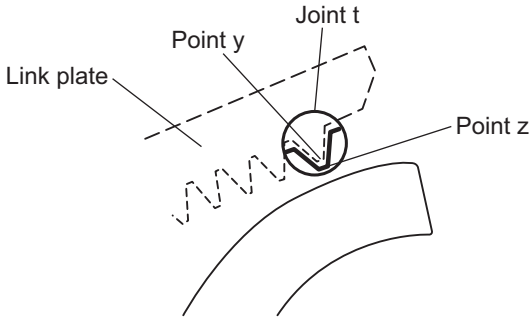



Fig.25

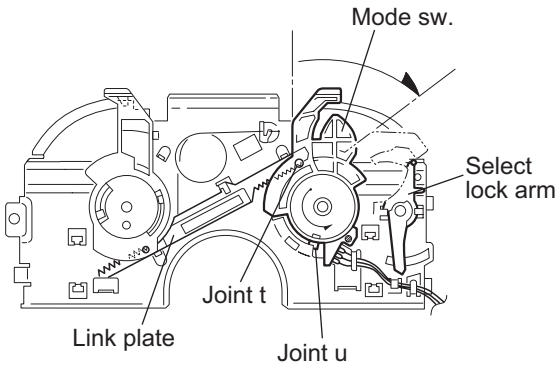



Fig.26

### 3.2.13 Removing the select arm R / link plate (See Figs.27 and 28)

- Prior to performing the following procedure, remove the top plate assembly.
  (1) Bring up the select arm R to release from the link plate (joint a') and turn as shown in the figure to release the two joints **b'** and joint **c'**.
  (2) Move the link plate in the direction of the arrow to release the joint d'. Remove the link plate spring at the same time.

**REFERENCE:**

Before removing the link plate, remove the mode sw..

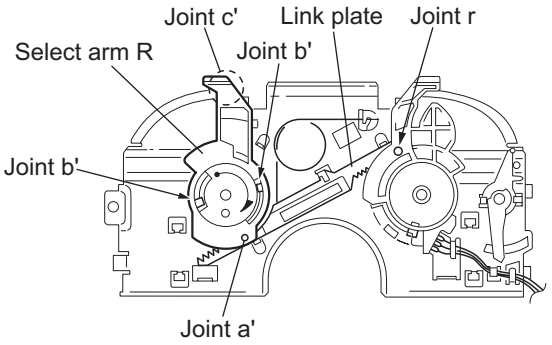



Fig.27

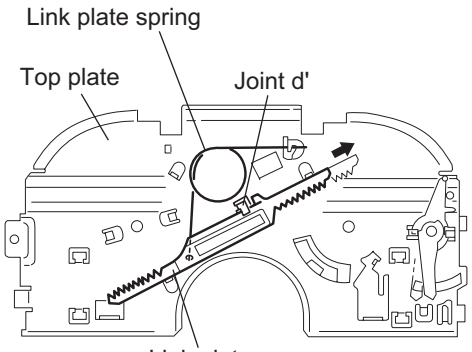



Fig.28

### 3.2.14 Reattaching the Select arm R / link plate (See Figs.29 and 30)

**REFERENCE:**

Reverse the above removing procedure.

(1) Reattach the link plate spring.
(2) Reattach the link plate to the link plate spring while joining them at joint **d'**.
(3) Reattach the joint a' of the select arm **R** to the first peak of the link plate while joining the two joints **b'** with the slots. Then turn the select arm R as shown in the figure. The top plate is joined to the joint **c'**.

**CAUTION:**

When reattaching the select arm **R**, check if the points **e'** and **f'** are correctly fitted and if each part operates properly.

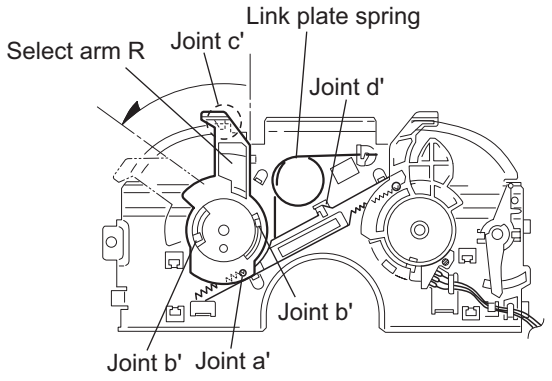



Fig.29

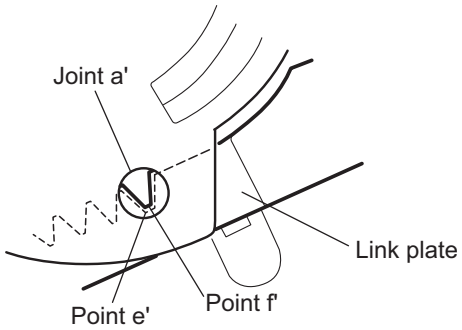



Fig.30

### 3.2.15 Removing the loading roller assembly (See Figs.31 to 33)

- Prior to performing the following procedure, remove the clamper assembly and top plate assembly.
  (1) Push inward the loading roller assembly on the gear side and detach it upward from the slot of the joint **g'** of the lock arm rivet assembly.
  (2) Detach the loading roller assembly from the slot of the joint **h'** of the lock arm rivet assembly.

      The roller guide comes off the gear section of the loading roller assembly.

      Remove the roller guide and the HL washer from the shaft of the loading roller assembly.
  (3) Remove the screw **J** attaching the lock arm rivet assembly.
  (4) Push the shaft at the joint **i'** of the lock arm rivet assembly inward to release the lock arm rivet assembly from the slot of the **L** side plate.
  (5) Extend the lock arm rivet assembly outward and release the joint **j'** from the boss of the chassis rivet assembly. The roller guide springs on both sides come off at the same time.

      **CAUTION:**

      When reassembling, reattach the left and right roller guide springs to the lock arm rivet assembly before reattaching the lock arm rivet assembly to the chassis rivet assembly. Make sure to fit the part **k'** of the roller guide spring inside of the roller guide. (Refer to Fig.34.)

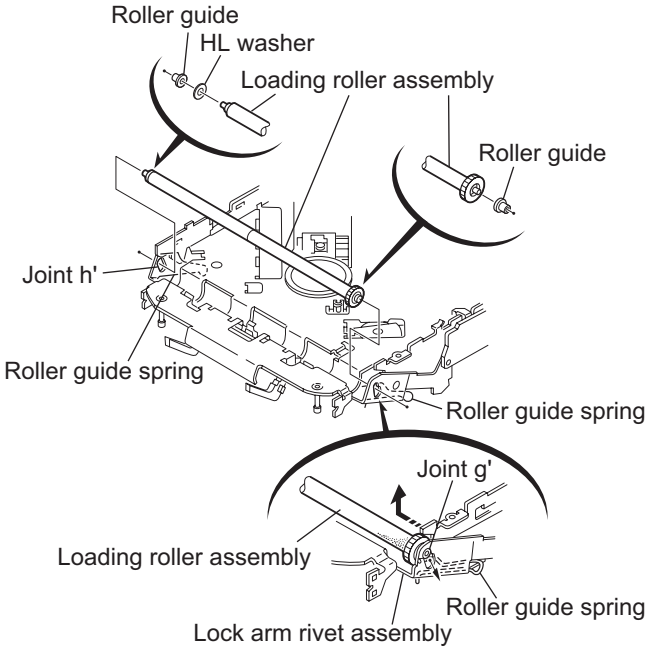


Fig.31

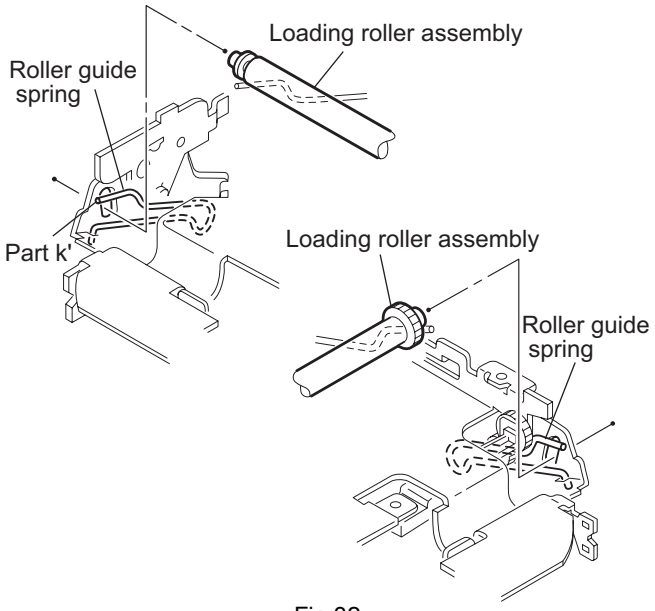


Fig.32

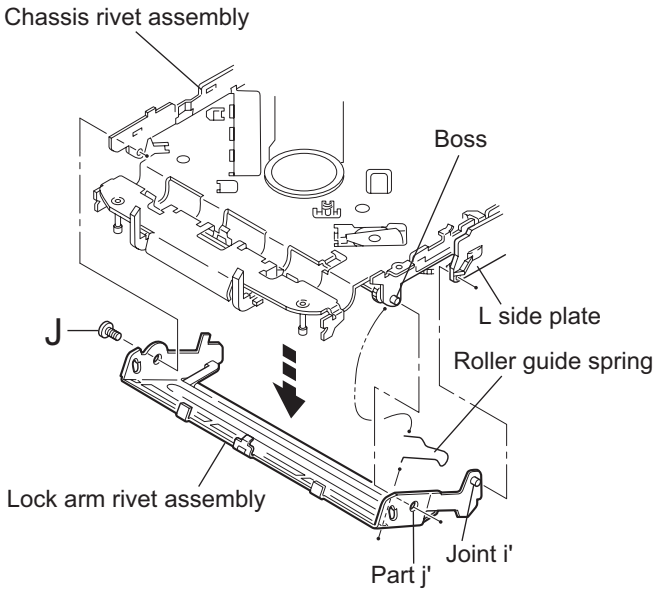


Fig.33

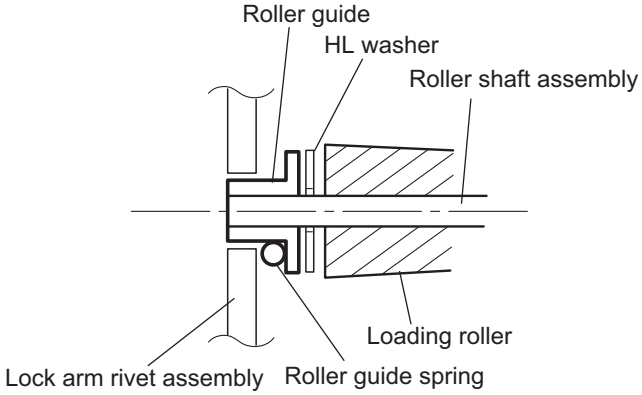


Fig.34

### 3.2.16 Removing the loading gear 5, 6 and 7 (See Figs.35 and 36)

- Prior to performing the following procedure, remove the top cover, chassis unit, pickup unit and top plate assembly.
  (1) Remove the screw **K** attaching the loading gear bracket. The loading gear 6 and 7 come off the loading gear bracket.
  (2) Pull out the loading gear 5.

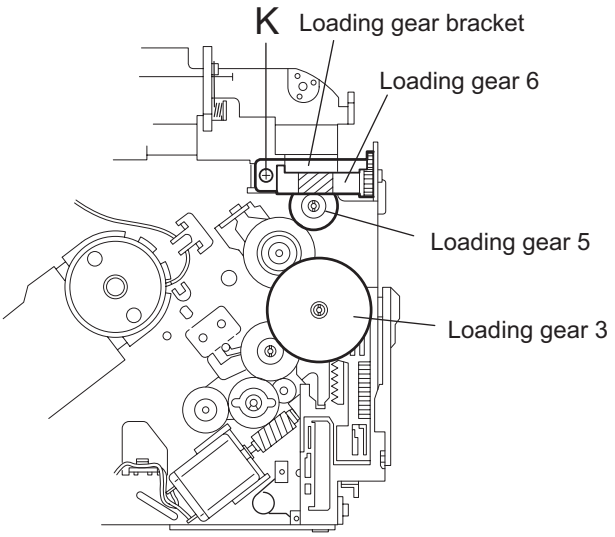



Fig.35

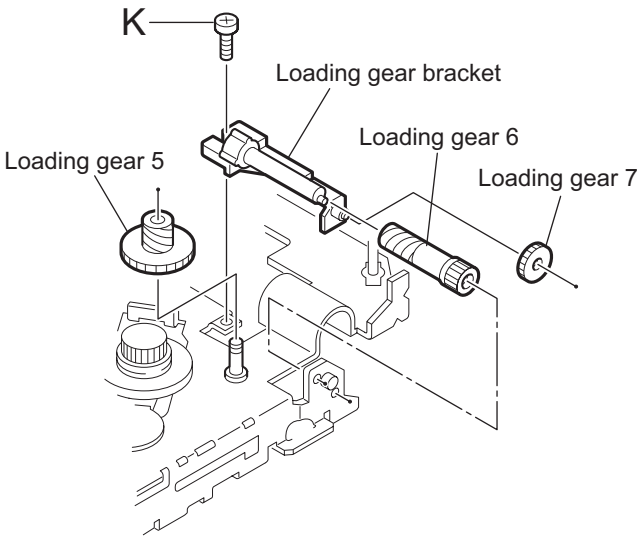



Fig.36

### 3.2.17 Removing the gears
**(See Figs.37 to 40)**

- Prior to performing the following procedure, remove the top cover, chassis unit, top plate assembly and pickup unit.
- Pull out the loading gear 3. (See Fig.35.)
  (1) Pull out the feed gear.
  (2) Move the loading plate assembly in the direction of the arrow to release the L side plate from the two slots m' of the chassis rivet assembly. (See Fig.37.)
  (3) Detach the loading plate assembly upward from the chassis rivet assembly while releasing the joint **n'**. Remove the slide hook and loading plate spring from the loading plate assembly.
  (4) Pull out the loading gear 2 and remove the change lock lever.
  (5) Remove the E ring and washer attaching the changer gear 2.
  (6) The changer gear 2, change gear spring and adjusting washer come off.
  (7) Remove the loading gear 1.
  (8) Move the change plate rivet assembly in the direction of the arrow to release from the three shafts of the chassis rivet assembly upward. (See Fig.38.)
  (9) Detach the loading gear plate rivet assembly from the shaft of the chassis rivet assembly upward while releasing the joint p'. (See Figs.38 and 40.)
  (10) Pull out the loading gear 4.

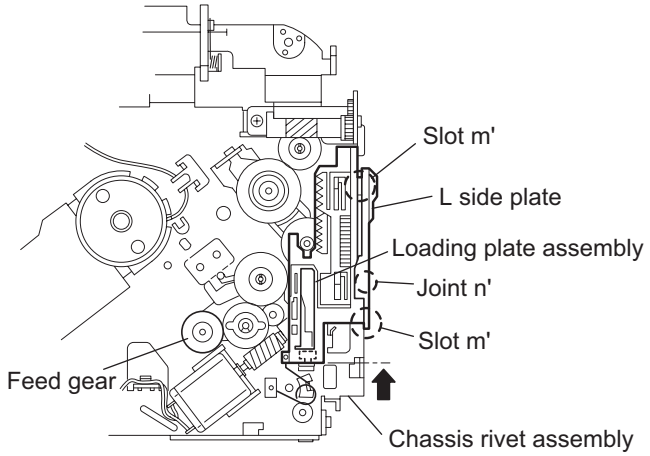


Fig.37

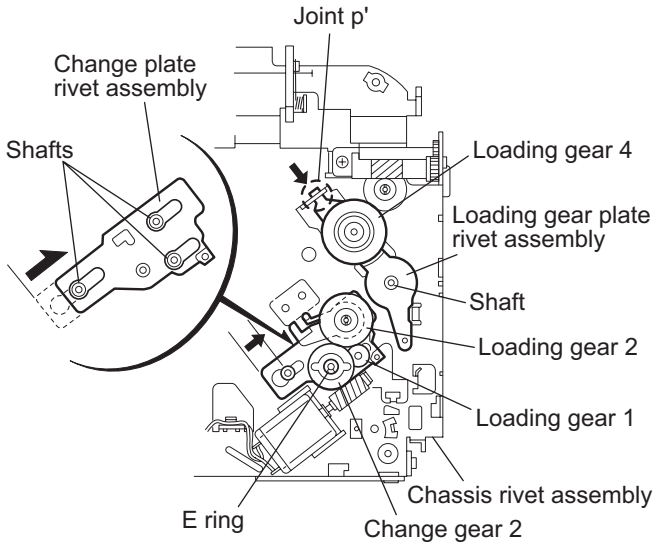


Fig.38

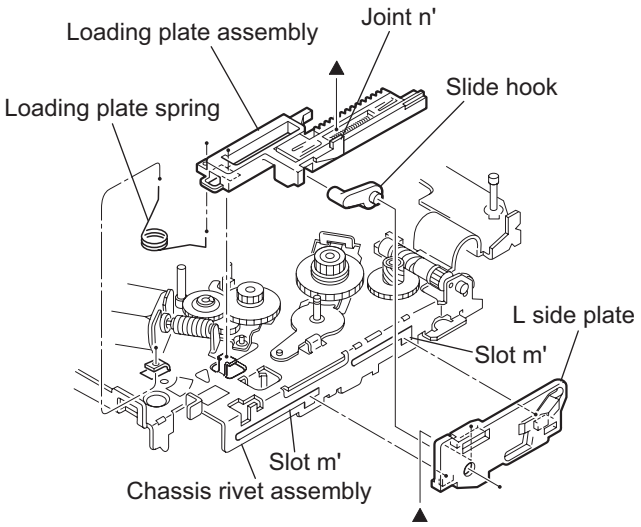


Fig.39

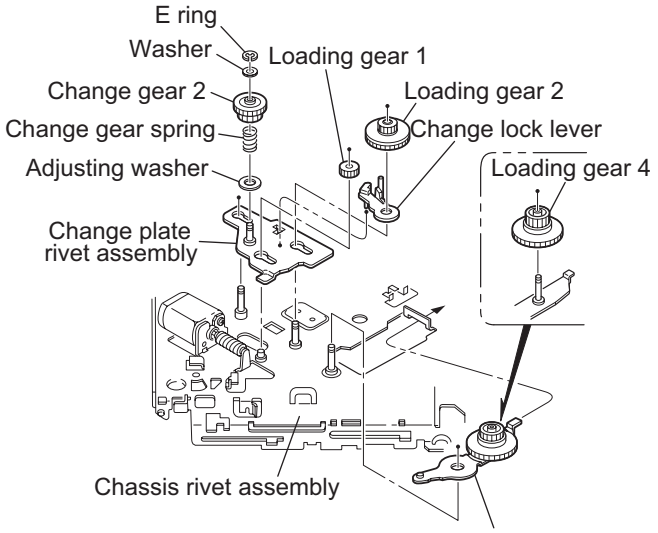


Fig.40

### 3.2.18 Removing the turn table / spindle motor (See Figs.41 and 42)

- Prior to performing the following procedure, remove the top cover, connector board, chassis unit and clamper assembly.
  (1) Remove the two screws **L** attaching the spindle motor assembly through the slot of the turn table on top of the body.
  (2) Unsolder the wire on the connector board if necessary.

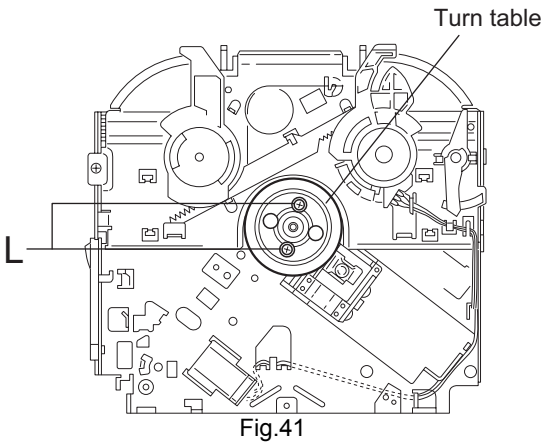


Fig.41

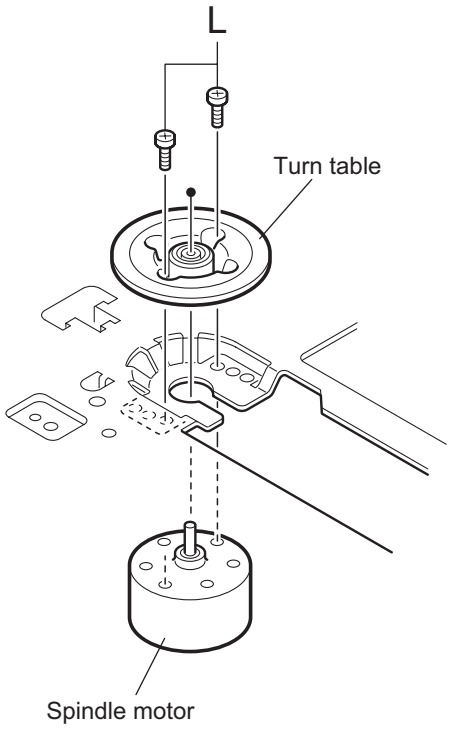


Fig.42

# SECTION 4
# ADJUSTMENT

### 4.1 Adjustment method

■ **Test instruments required for adjustment**

(1) Digital oscilloscope (100MHz)
(2) Electric voltmeter
(3) Digital tester
(4) Tracking offset meter
(5) Test Disc JVC :CTS-1000
(6) Extension cable for check
EXTSH002-22P × 1

■ **Standard volume position**

Balance and Bass &Treble volume : Indication"0"
Loudness : OFF

■ **Standard measuring conditions**

| | |
|---|---|
| Power supply voltage | DC14.4V(10.5 to 16V) |
| Load impedance | 20KΩ(2 Speakers connection) |
| Output Level | Line out 2.0V (Vol. MAX) |

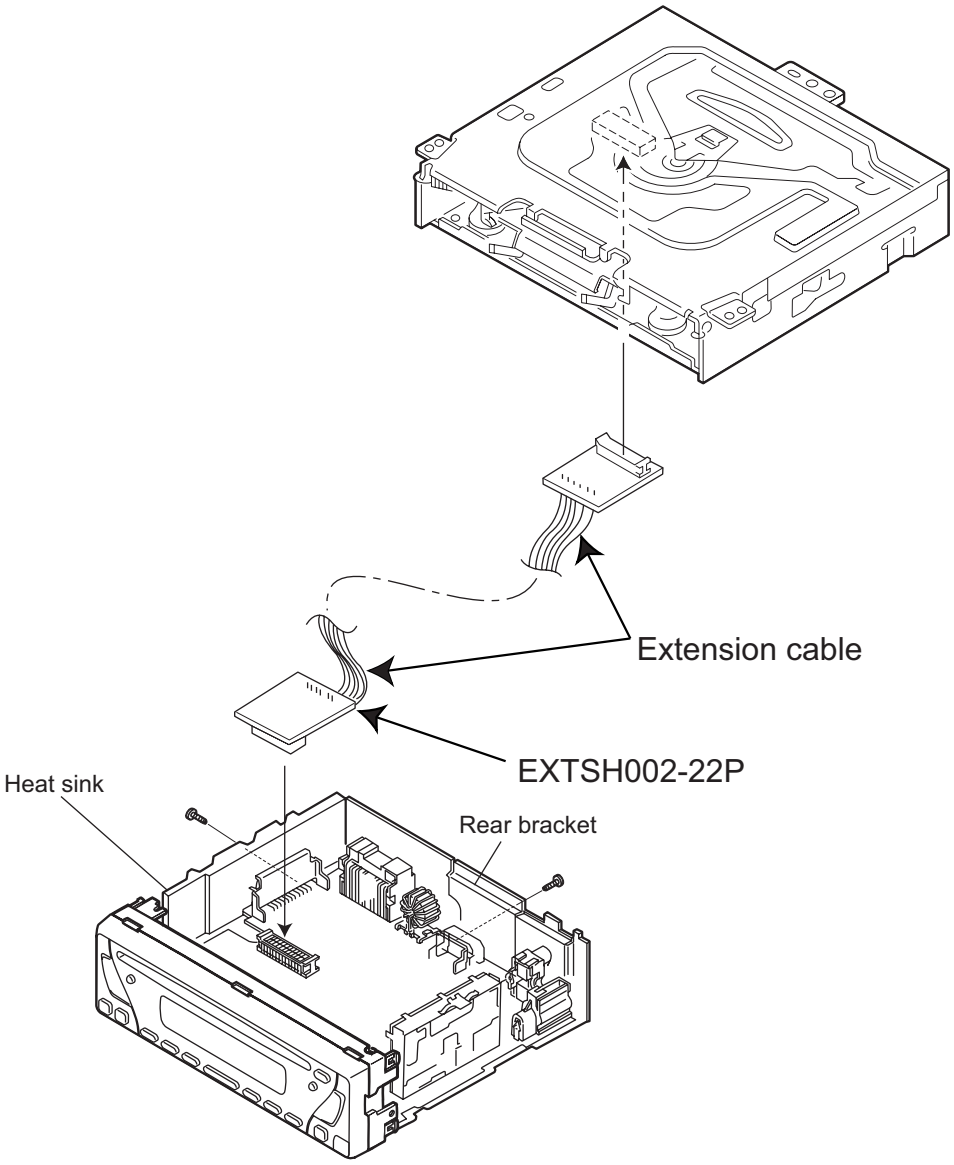
■ **Dummy load**

Exclusive dummy load should be used for AM,and FM. For FM dummy load,there is a loss of 6dB between SSG output and antenna input.The loss of 6dB need not be considered since direct reading of figures are applied in this working standard.

■ **How to connect the extension cable for adjusting**

**Caution:**

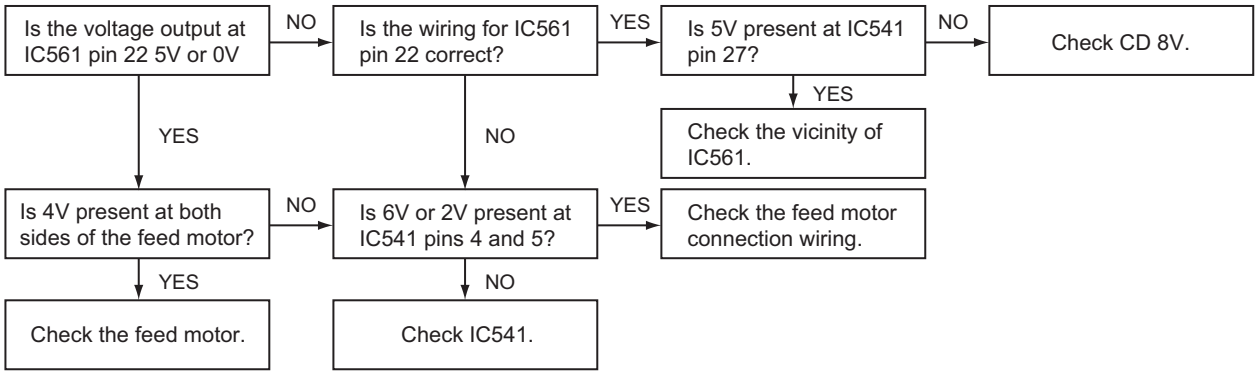
Be sure to attach the heat sink and rear bracket onto the power amplifier IC and regulator IC respectively, before supply the power. If voltage is applied without attaching these parts, the power amplifier IC and regulator IC will be destroyed by heat.



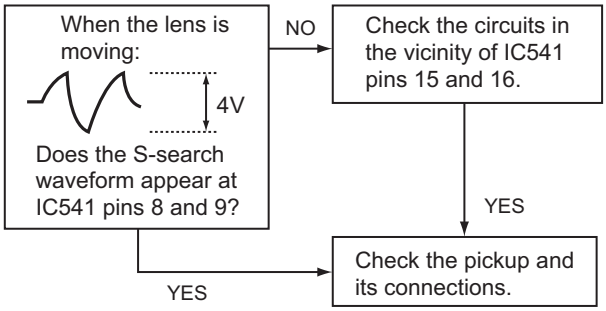
# SECTION 5
# TROUBLESHOOTING

## 5.1 KD-G110 J and KD-S11 J version model

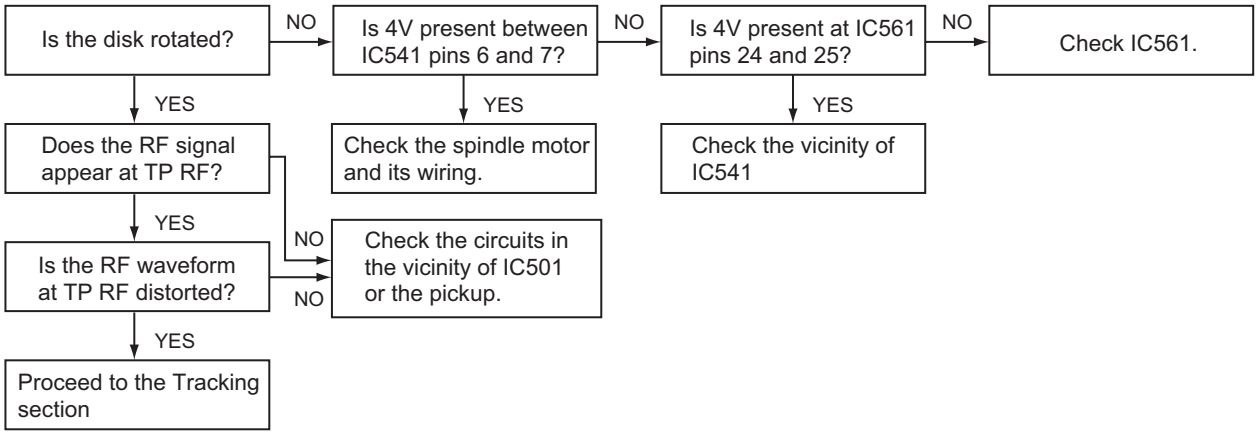
### 5.1.1 Feed section



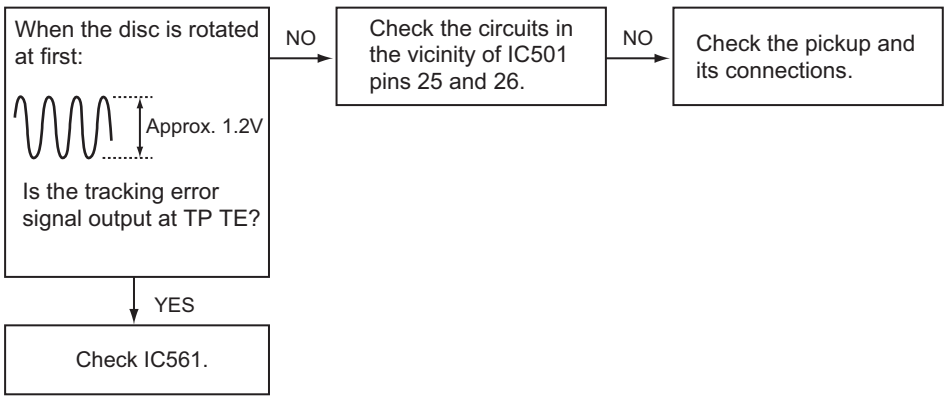

### 5.1.2 Focus section


When the lens is moving:
4V
Does the S-search waveform appear at IC541 pins 8 and 9?
NO
Check the circuits in the vicinity of IC541 pins 15 and 16.
YES
YES
Check the pickup and its connections.

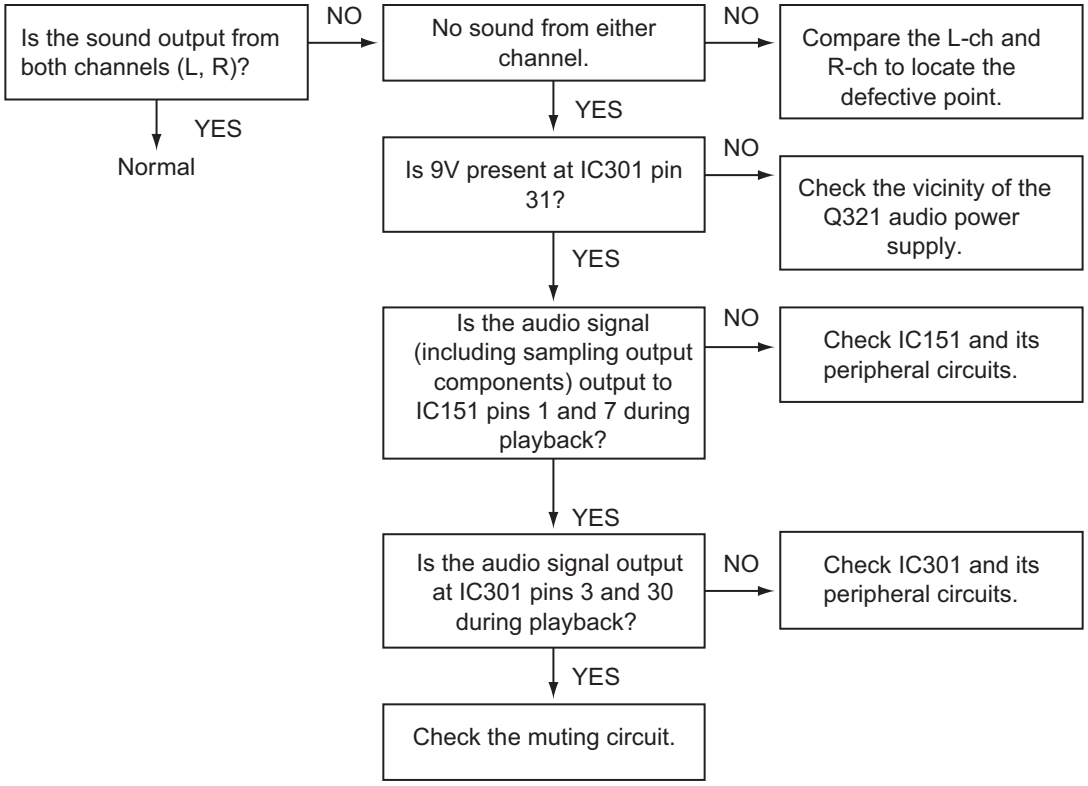
### 5.1.3 Spindle section




### 5.1.4 Tracking section

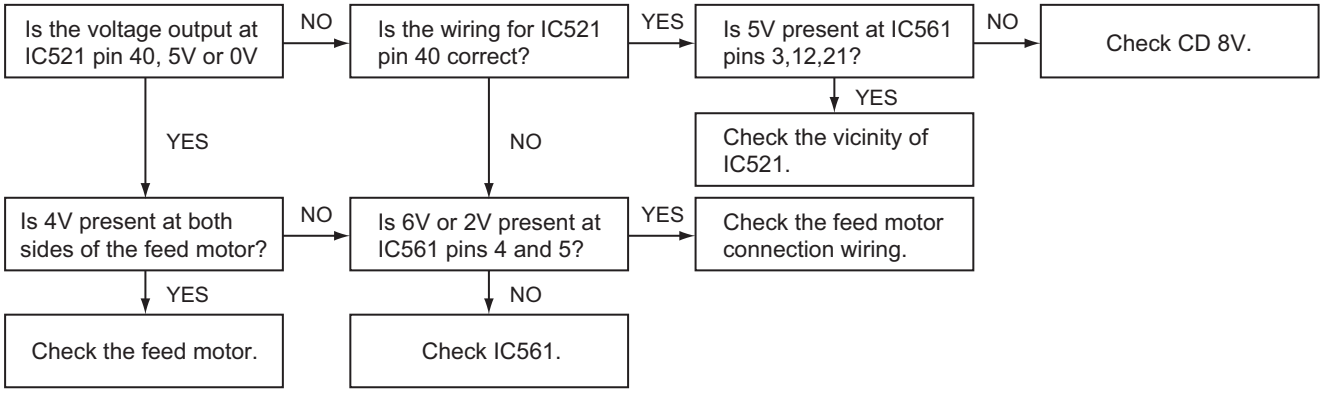

When the disc is rotated at first:
Approx. 1.2V
Is the tracking error signal output at TP TE?
NO
Check the circuits in the vicinity of IC501 pins 25 and 26.
NO
Check the pickup and its connections.
YES
Check IC561.

### 5.1.5 5.5 Signal processing section

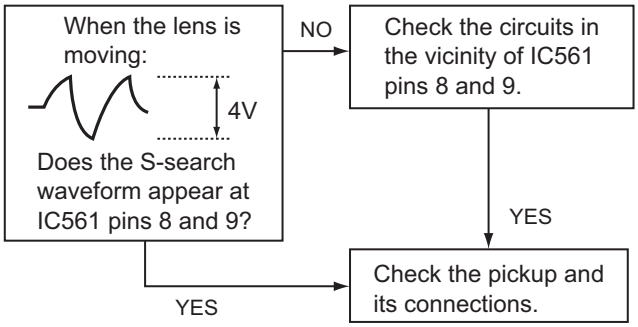

Is the sound output from both channels (L, R)?
NO
No sound from either channel.
NO
Compare the L-ch and R-ch to locate the defective point.
YES
Normal
YES
Is 9V present at IC301 pin 31?
NO
Check the vicinity of the Q321 audio power supply.
YES
Is the audio signal (including sampling output components) output to IC151 pins 1 and 7 during playback?
NO
Check IC151 and its peripheral circuits.
YES
Is the audio signal output at IC301 pins 3 and 30 during playback?
NO
Check IC301 and its peripheral circuits.
YES
Check the muting circuit.

## 5.2 KD-G110 J2 and KD-S11 J2 version model

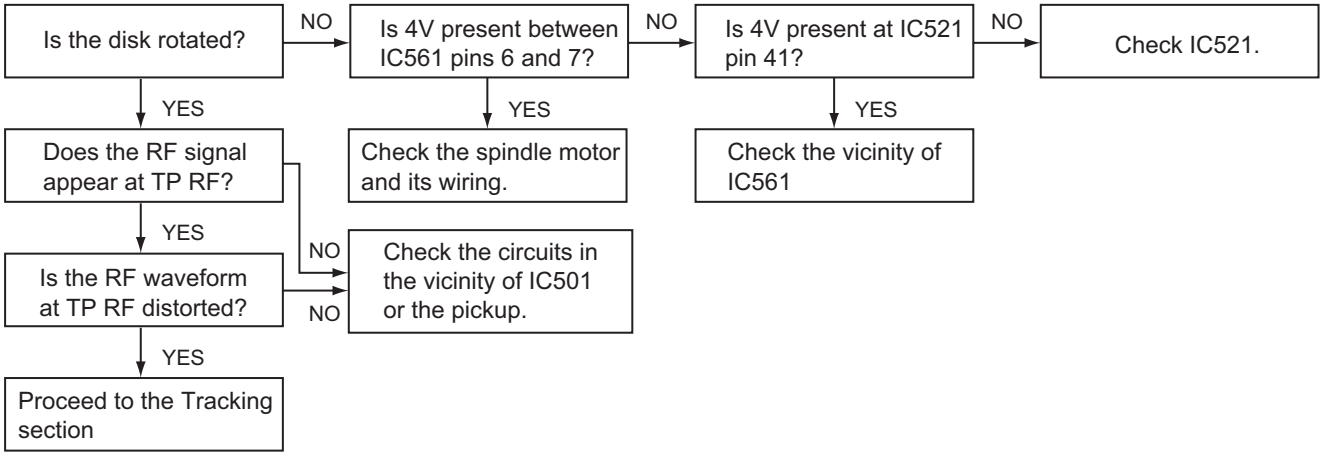
### 5.2.1 Feed section



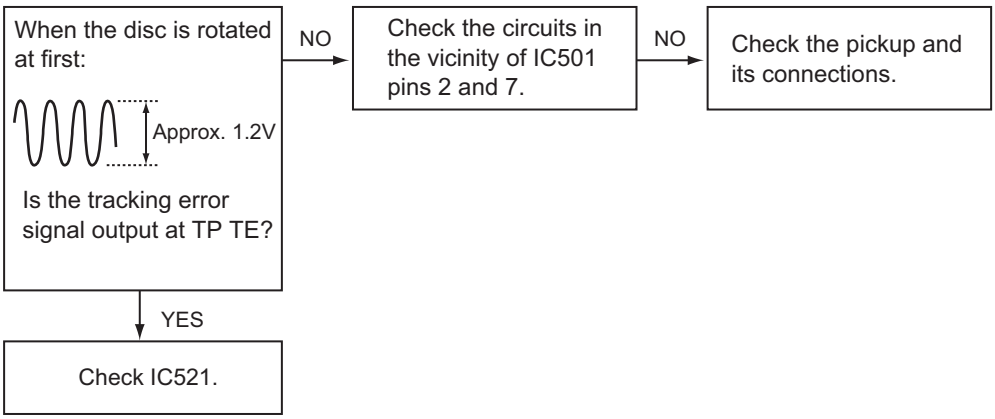

### 5.2.2 Focus section


When the lens is moving:
4V
Does the S-search waveform appear at IC561 pins 8 and 9?
NO
Check the circuits in the vicinity of IC561 pins 8 and 9.
YES
Check the pickup and its connections.
YES

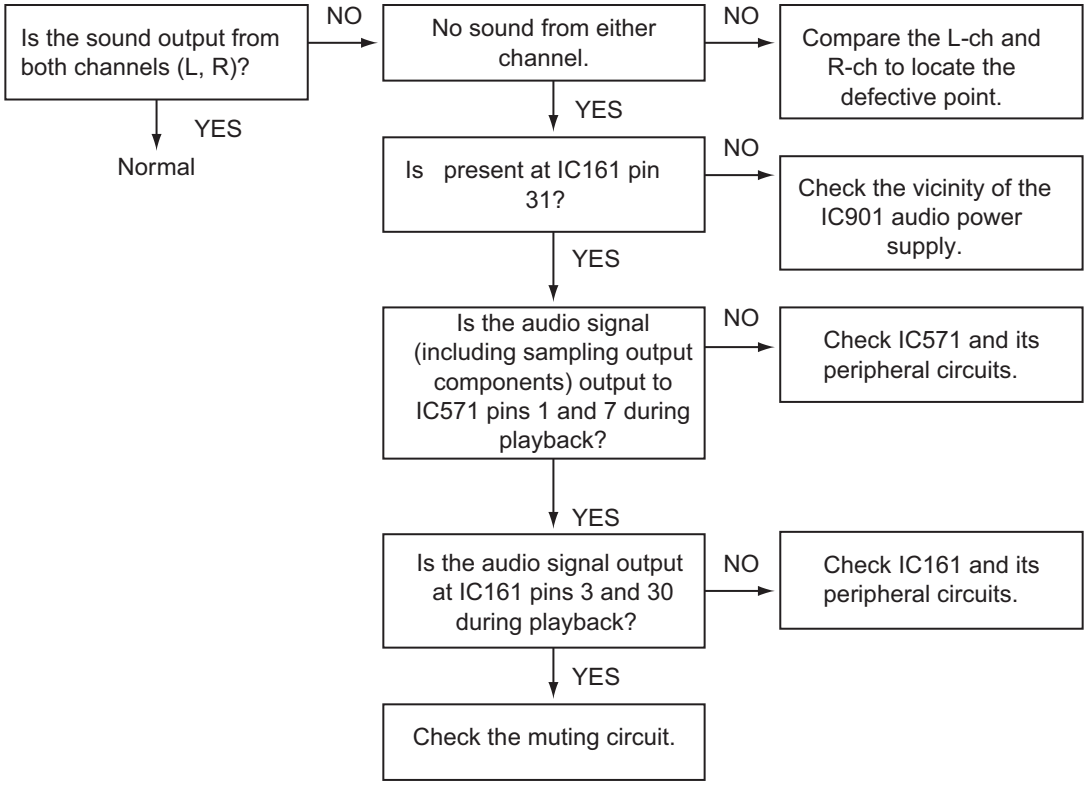
### 5.2.3 Spindle section




### 5.2.4 Tracking section


When the disc is rotated at first:
Approx. 1.2V
Is the tracking error signal output at TP TE?
NO
Check the circuits in the vicinity of IC501 pins 2 and 7.
NO
Check the pickup and its connections.
YES
Check IC521.

### 5.2.5 5.5 Signal processing section

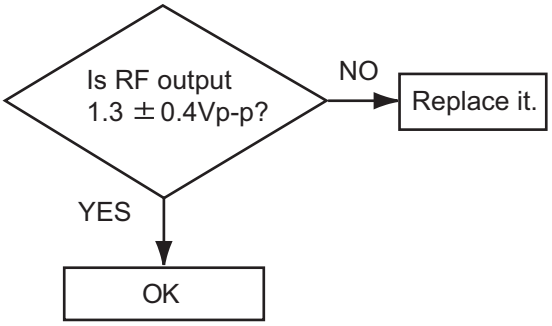

Is the sound output from both channels (L, R)?
NO
No sound from either channel.
NO
Compare the L-ch and R-ch to locate the defective point.
YES
Normal
YES
Is present at IC161 pin 31?
NO
Check the vicinity of the IC901 audio power supply.
YES
Is the audio signal (including sampling output components) output to IC571 pins 1 and 7 during playback?
NO
Check IC571 and its peripheral circuits.
YES
Is the audio signal output at IC161 pins 3 and 30 during playback?
NO
Check IC161 and its peripheral circuits.
YES
Check the muting circuit.

### 5.3 Maintenance of laser pickup

(1) Cleaning the pick up lens
Before you replace the pick up, please try to clean the lens with a alcohol soaked cotton swab.

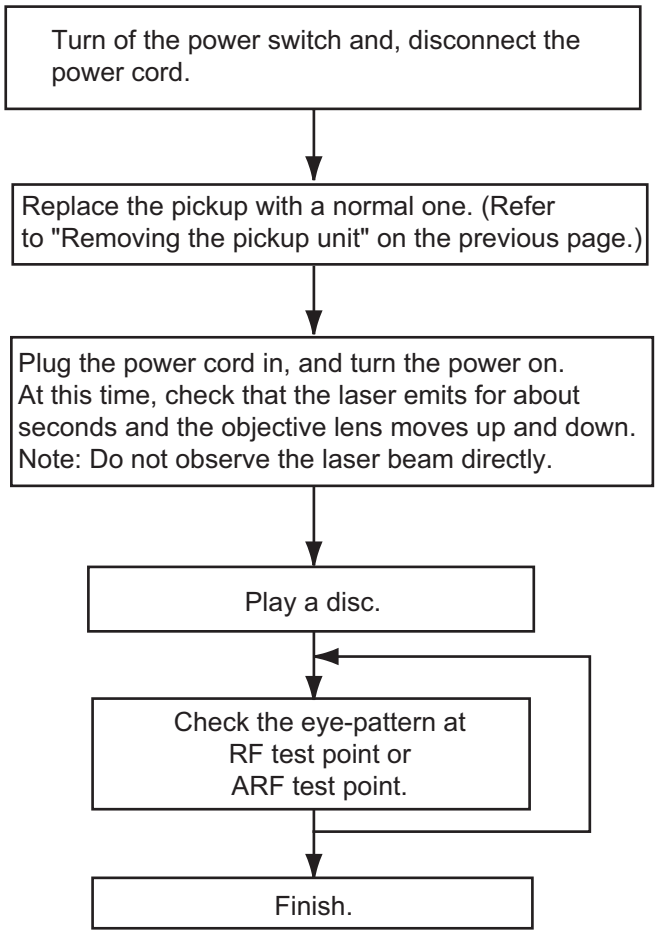
(2) Life of the laser diode
When the life of the laser diode has expired, the following symptoms will appear.

- The level of RF output (EFM output: amplitude of eye pattern) will be low.

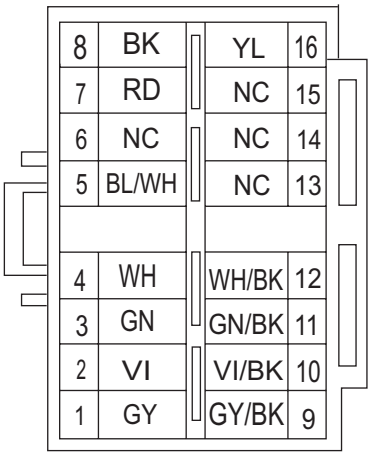



(3) Semi-fixed resistor on the APC PC board
The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power.Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.
If the laser power is lower than the specified value, the laser diode is almost worn out, and the laser pickup should be replaced. If the semi-fixed resistor is adjusted while the pickup is functioning normally, the laser pickup may be damaged due to excessive current.

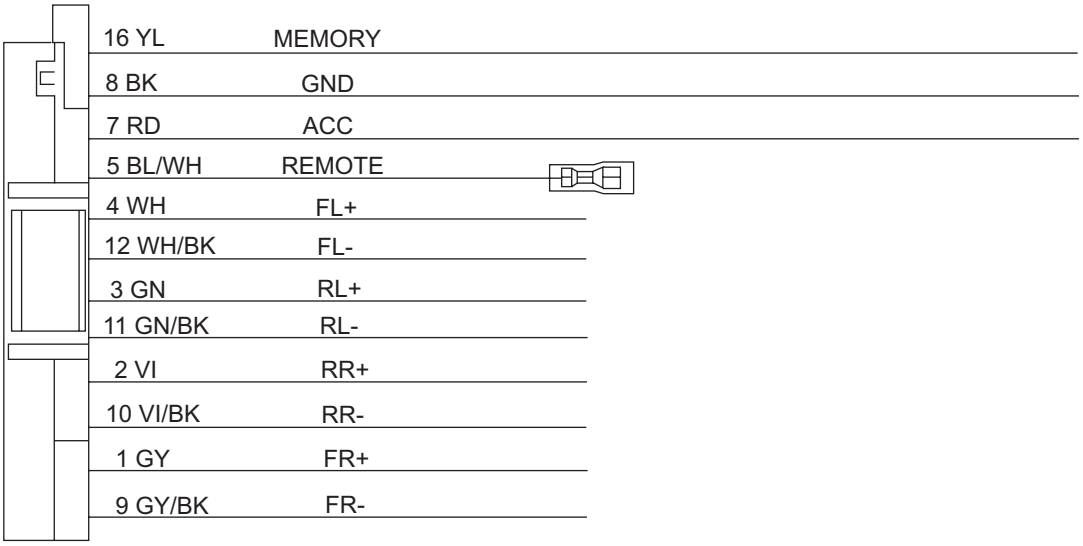
### 5.4 Replacement of laser pickup


Turn of the power switch and, disconnect the power cord.
Replace the pickup with a normal one. (Refer to "Removing the pickup unit" on the previous page.)
Plug the power cord in, and turn the power on.
At this time, check that the laser emits for about seconds and the objective lens moves up and down.
Note: Do not observe the laser beam directly.
Play a disc.
Check the eye-pattern at RF test point or ARF test point.
Finish.

### 5.5 16 PIN CORD DIAGRAM




| | | | |
|---|---|---|---|
| BK | Black | GN | Green |
| RD | Red | VI | Violet |
| BL | Blue | GY | Gray |
| WH | White | YL | Yellow |




| | | | |
|---|---|---|---|
| RR | Rear Right | REMOTE | Remote out |
| FR | Front Right | ACC | ACC Line |
| FL | Front Left | MEMORY | Memory Backup Battery + |
| RL | Rear Left | GND | Ground |

JVC
Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY CAR ELECTRONICS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MA121)

Printed in Japan
VPT

# JVC

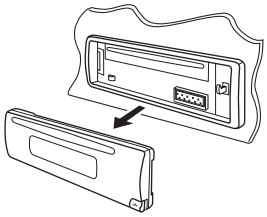
# SCHEMATIC DIAGRAMS

## CD RECEIVER

# KD-G110, KD-S11

**CD-ROM No.SML200502**

| Area suffix |
| --- |
| J ---------- Northern America |

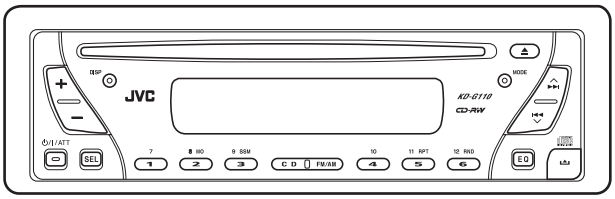


CD-RW

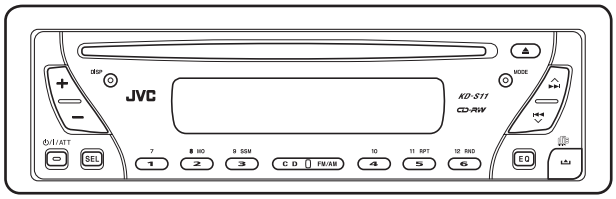
COMPACT disc DIGITAL AUDIO

Amplifier Power Standard CEA CEA-2006 Compliant

**KD-G110**




**KD-S11**

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Standard schematic diagrams (For J version) ---------- 2-3
Printed circuit boards (For J version) ---------- 2-9
Block diagram (For J2 version) ---------- 2-11
Standard schematic diagrams (For J2 version) ---------- 2-13
Printed circuit boards (For J2 version) ---------- 2-19 to 20


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**No.MA121SCH**
**2005/2**

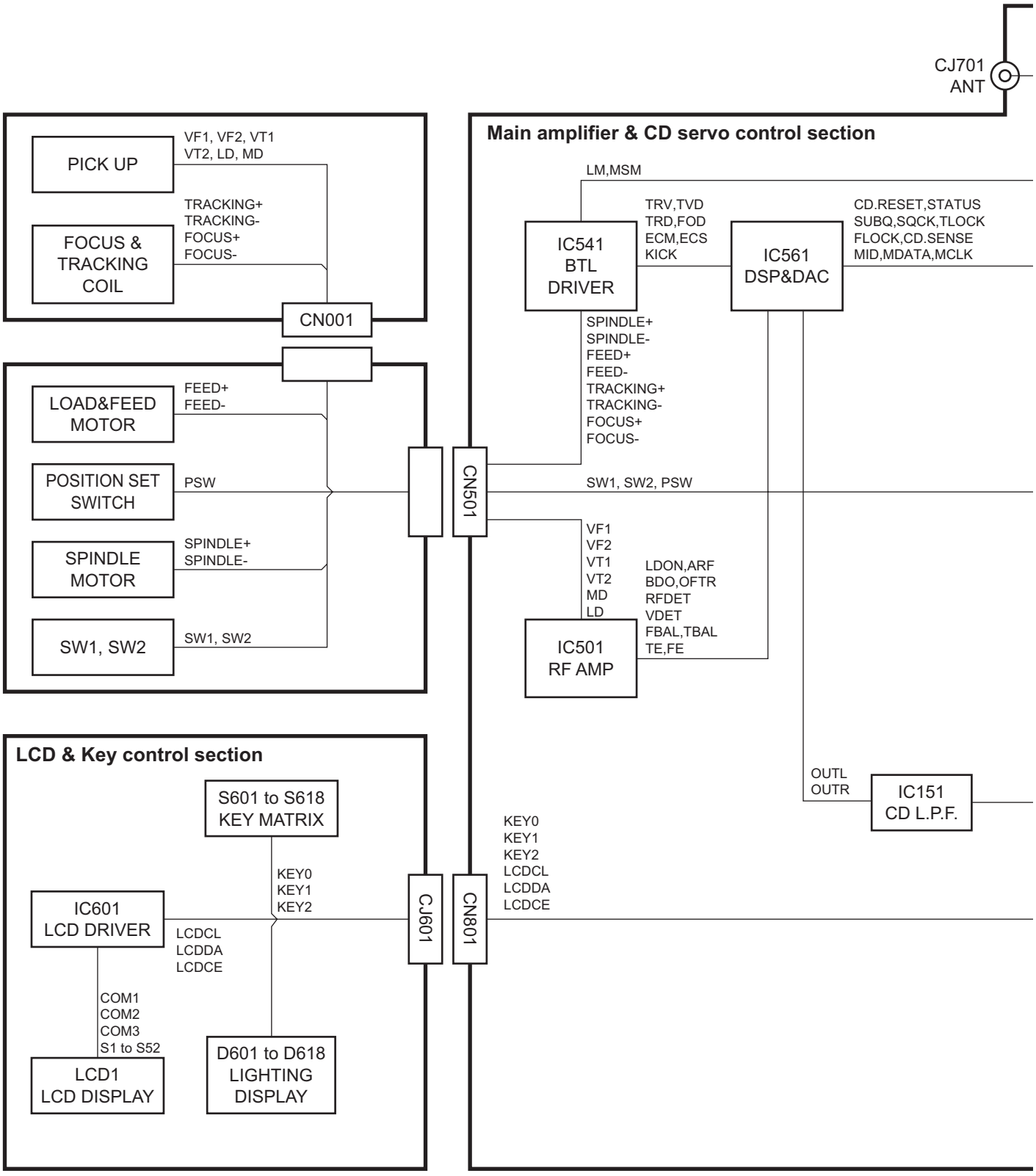
# Safety precaution

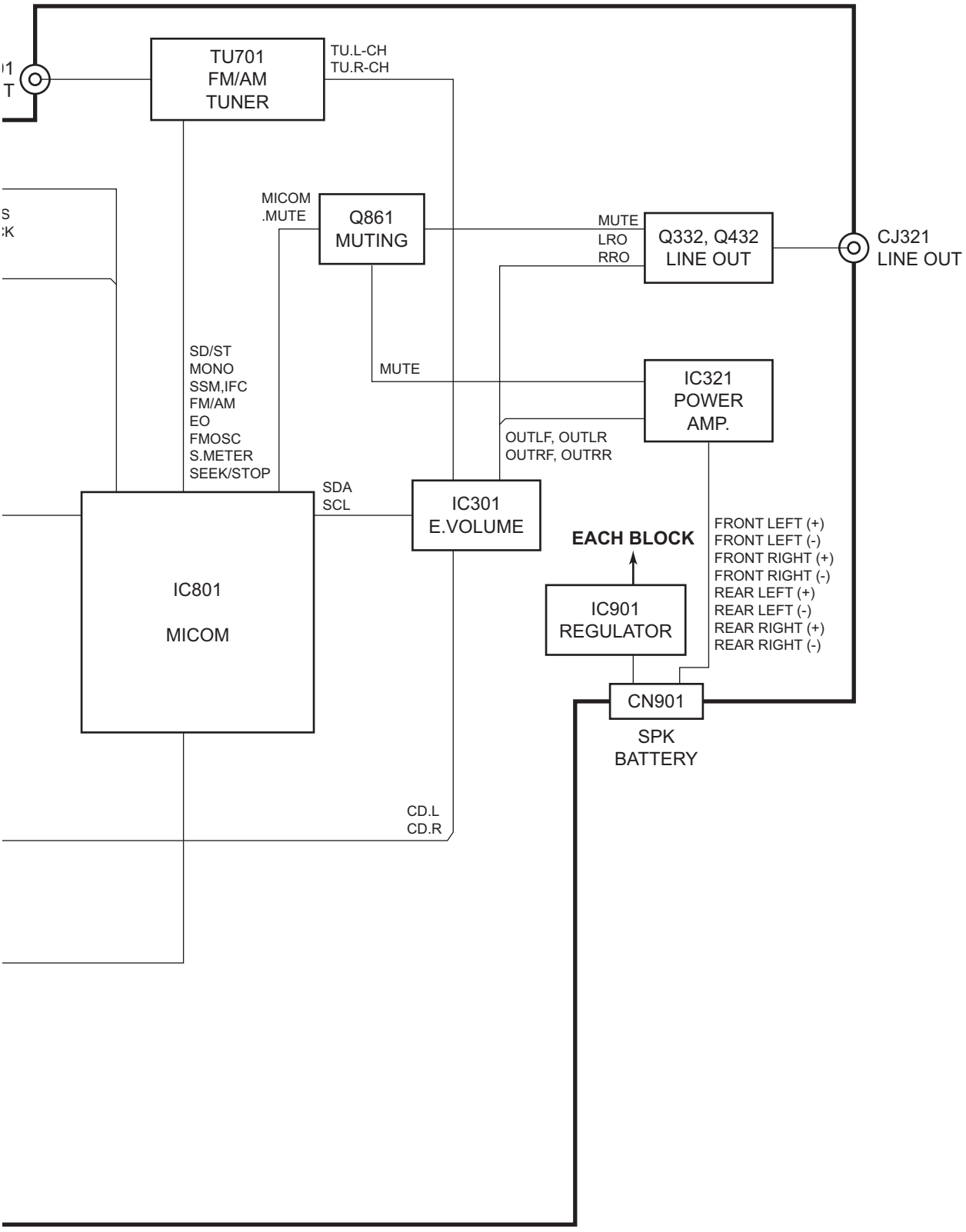
⚠ ***CAUTION*** **Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.**

⚠ ***CAUTION*** **Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.**

< MEMO >

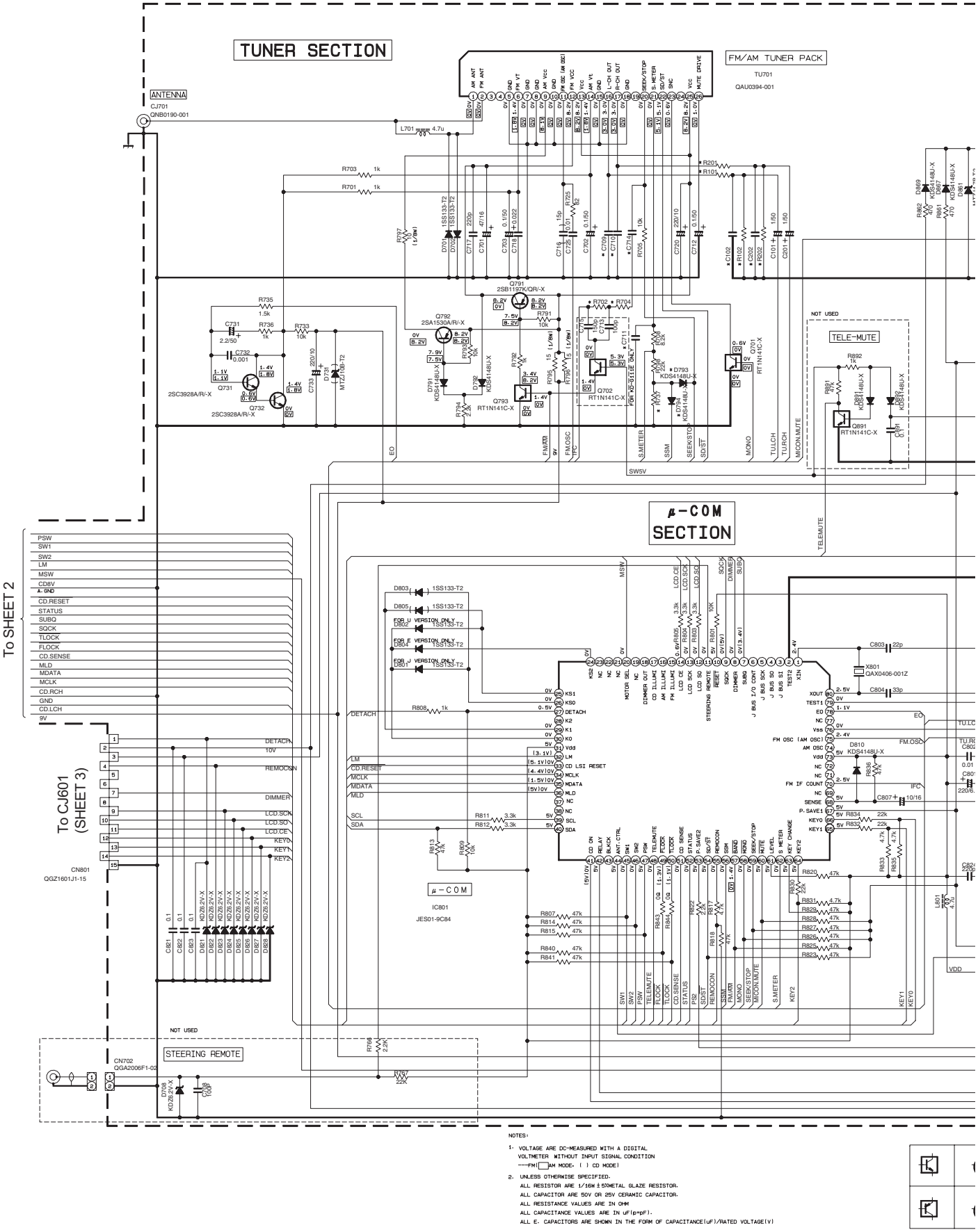
# Block diagram (For J version)



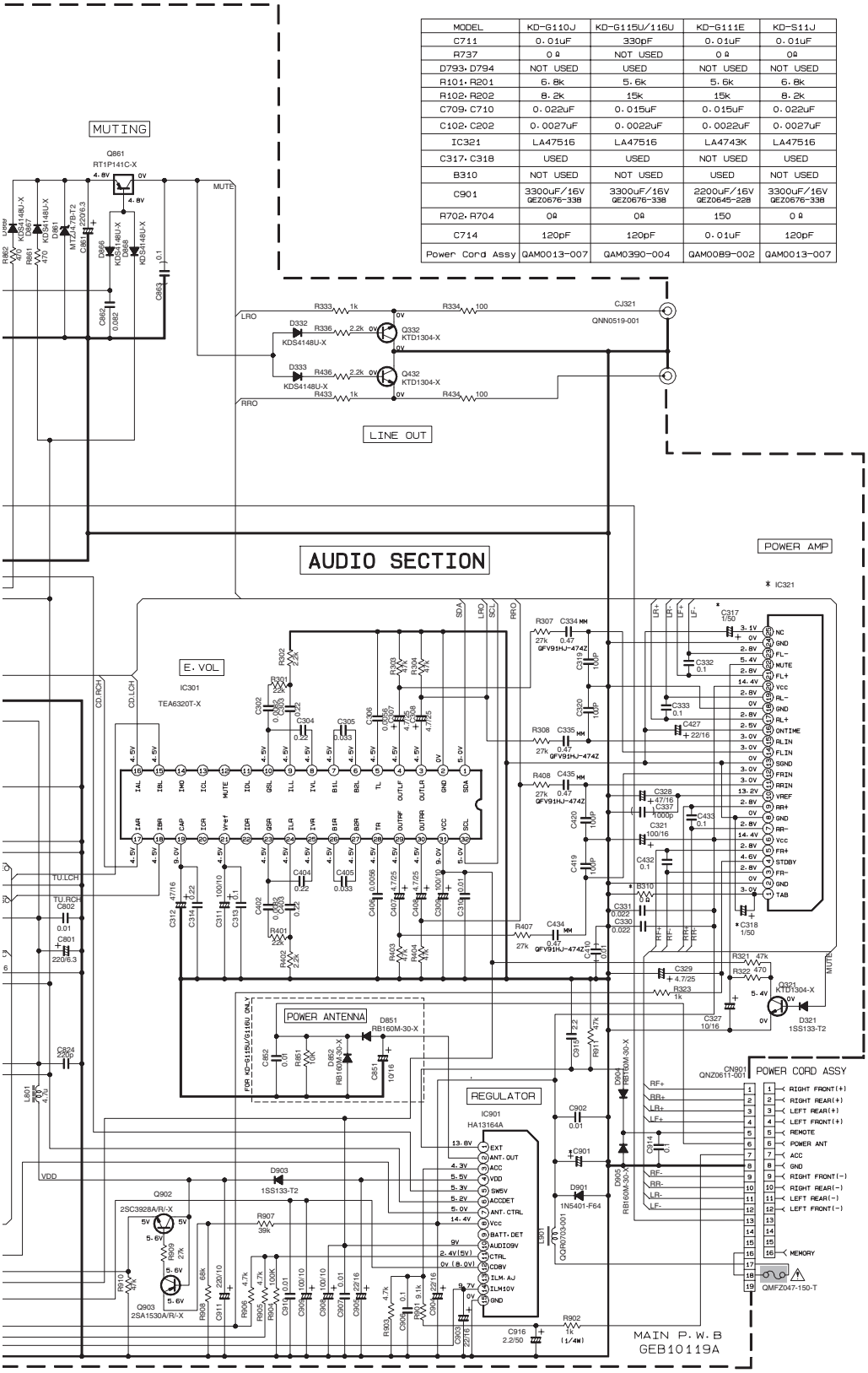

TU701
FM/AM
TUNER
TU.L-CH
TU.R-CH
MICOM
.MUTE
Q861
MUTING
MUTE
LRO
RRO
Q332, Q432
LINE OUT
CJ321
LINE OUT
SD/ST
MONO
SSM,IFC
FM/AM
EO
FMOSC
S.METER
SEEK/STOP
MUTE
IC321
POWER
AMP.
OUTLF, OUTLR
OUTRF, OUTRR
SDA
SCL
IC301
E.VOLUME
EACH BLOCK
FRONT LEFT (+)
FRONT LEFT (-)
FRONT RIGHT (+)
FRONT RIGHT (-)
REAR LEFT (+)
REAR LEFT (-)
REAR RIGHT (+)
REAR RIGHT (-)
IC801
MICOM
IC901
REGULATOR
CN901
SPK
BATTERY
CD.L
CD.R

# Standard schematic diagrams (For J version)

## ■ Main amplifier section



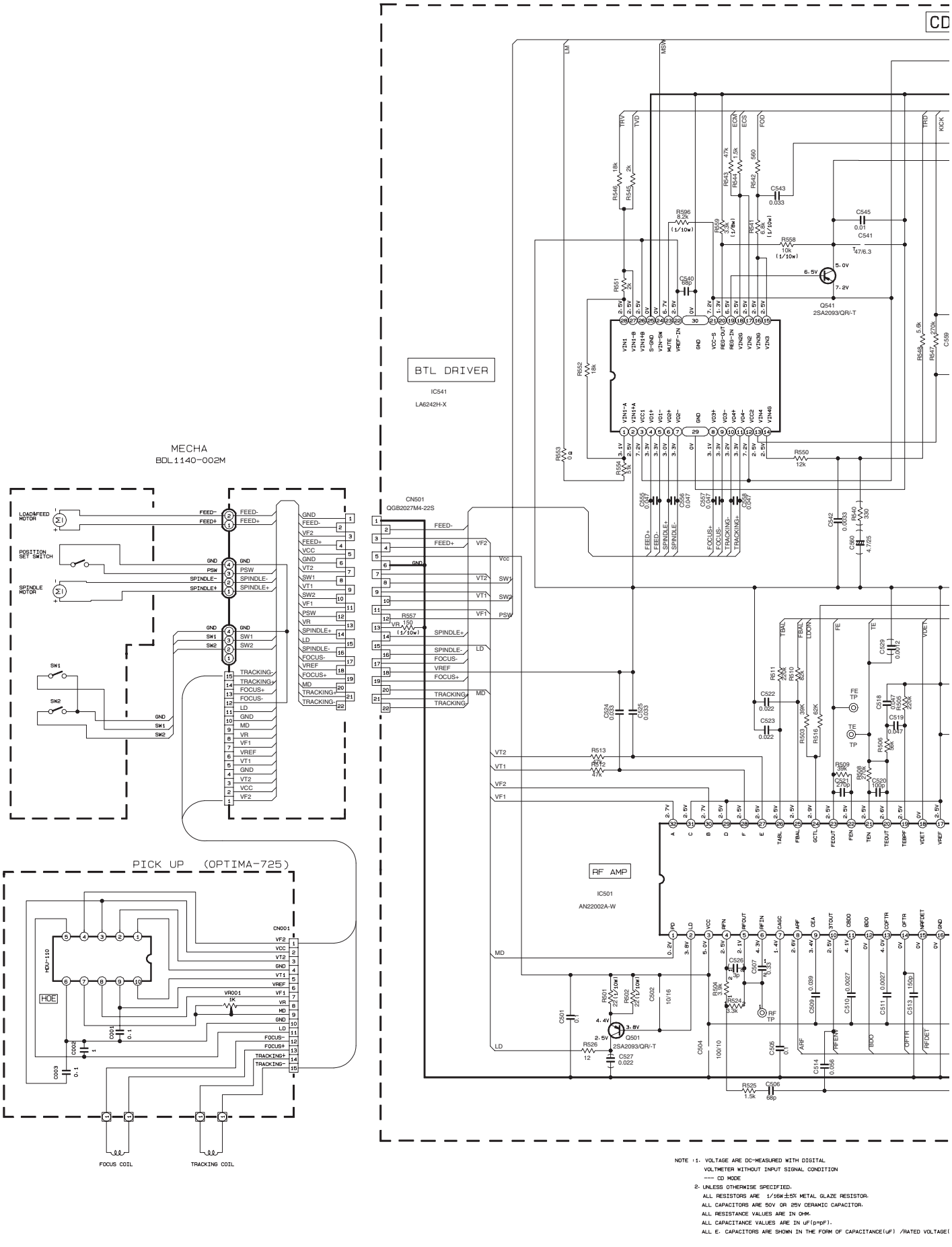
| MODEL | KD-G110J | KD-G115U/116U | KD-G111E | KD-S11J |
|---|---|---|---|---|
| C711 | 0.01uF | 330pF | 0.01uF | 0.01uF |
| R737 | 0 Ω | NOT USED | 0 Ω | 0Ω |
| D793, D794 | NOT USED | USED | NOT USED | NOT USED |
| R101, R201 | 6.8k | 5.6k | 5.6k | 6.8k |
| R102, R202 | 8.2k | 15k | 15k | 8.2k |
| C709, C710 | 0.022uF | 0.015uF | 0.015uF | 0.022uF |
| C102, C202 | 0.0027uF | 0.0022uF | 0.0022uF | 0.0027uF |
| IC321 | LA47516 | LA47516 | LA4743K | LA47516 |
| C317, C318 | USED | USED | NOT USED | USED |
| B310 | NOT USED | NOT USED | USED | NOT USED |
| C901 | 3300uF/16V QEZ0676-338 | 3300uF/16V QEZ0676-338 | 2200uF/16V QEZ0645-228 | 3300uF/16V QEZ0676-338 |
| R702, R704 | 0Ω | 0Ω | 150 | 0 Ω |
| C714 | 120pF | 120pF | 0.01uF | 120pF |
| Power Cord Assy | QAM0013-007 | QAM0390-004 | QAM0089-002 | QAM0013-007 |



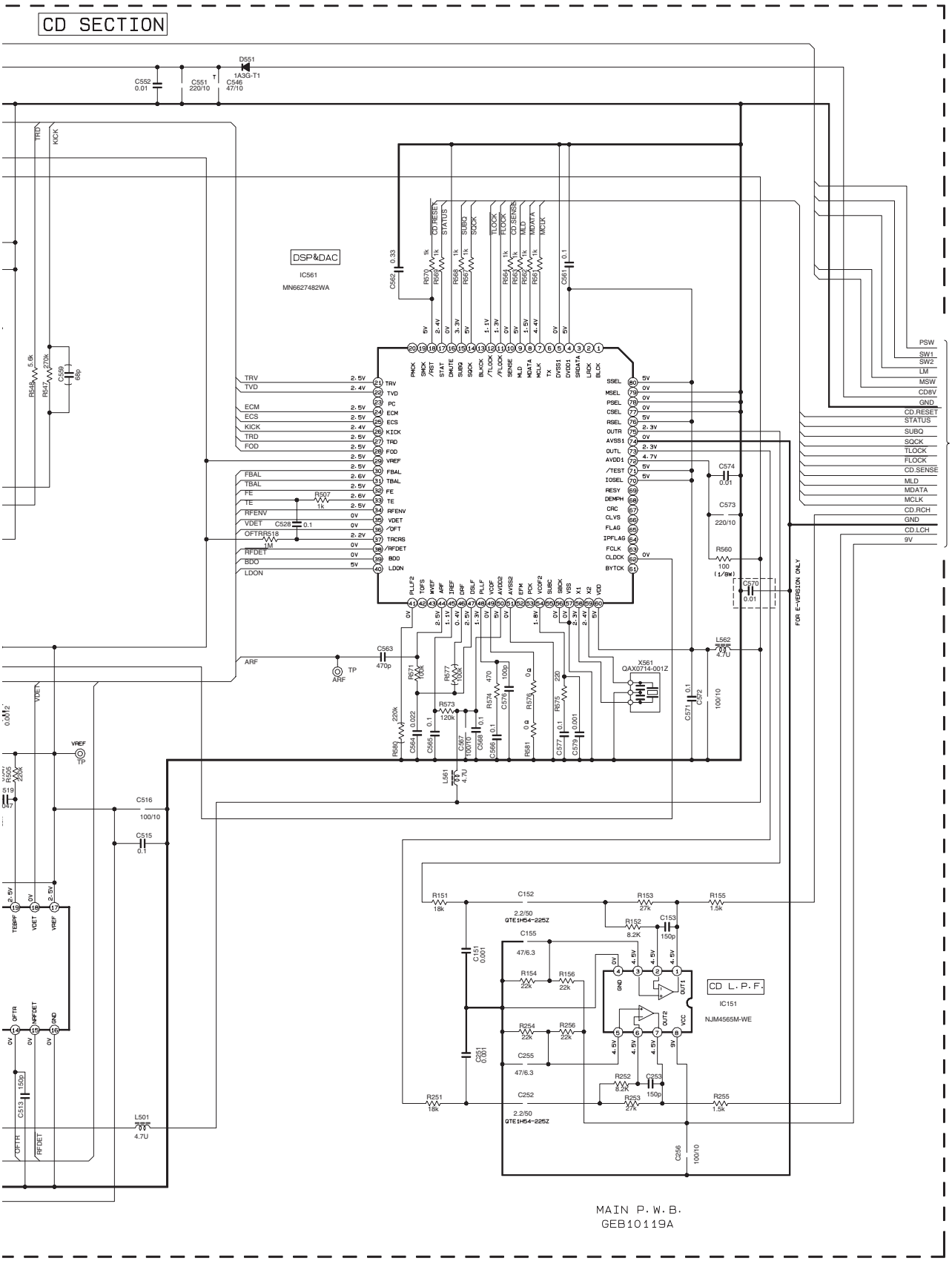

| | | |
|---|---|---|
| | 10k 10k | UN2211-X |
| | 10k 10k | UN2111-X |

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

## ■ CD servo control section



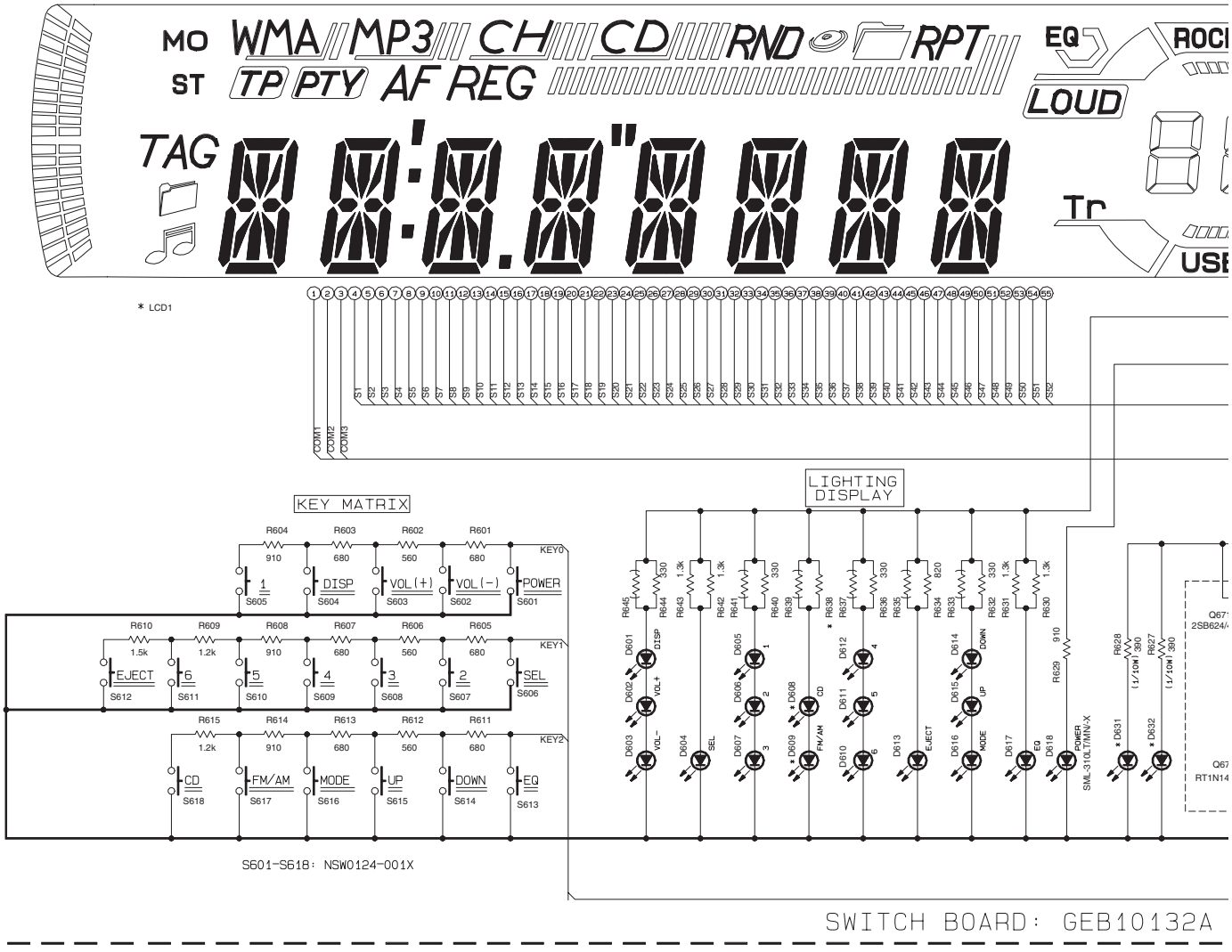

NOTE :1. VOLTAGE ARE DC-MEASURED WITH DIGITAL
VOLTMETER WITHOUT INPUT SIGNAL CONDITION
--- CD MODE
2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/16W±5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM.
ALL CAPACITANCE VALUES ARE IN uF(p=pF).
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF) /RATED VOLTAGE(




SHEET 2

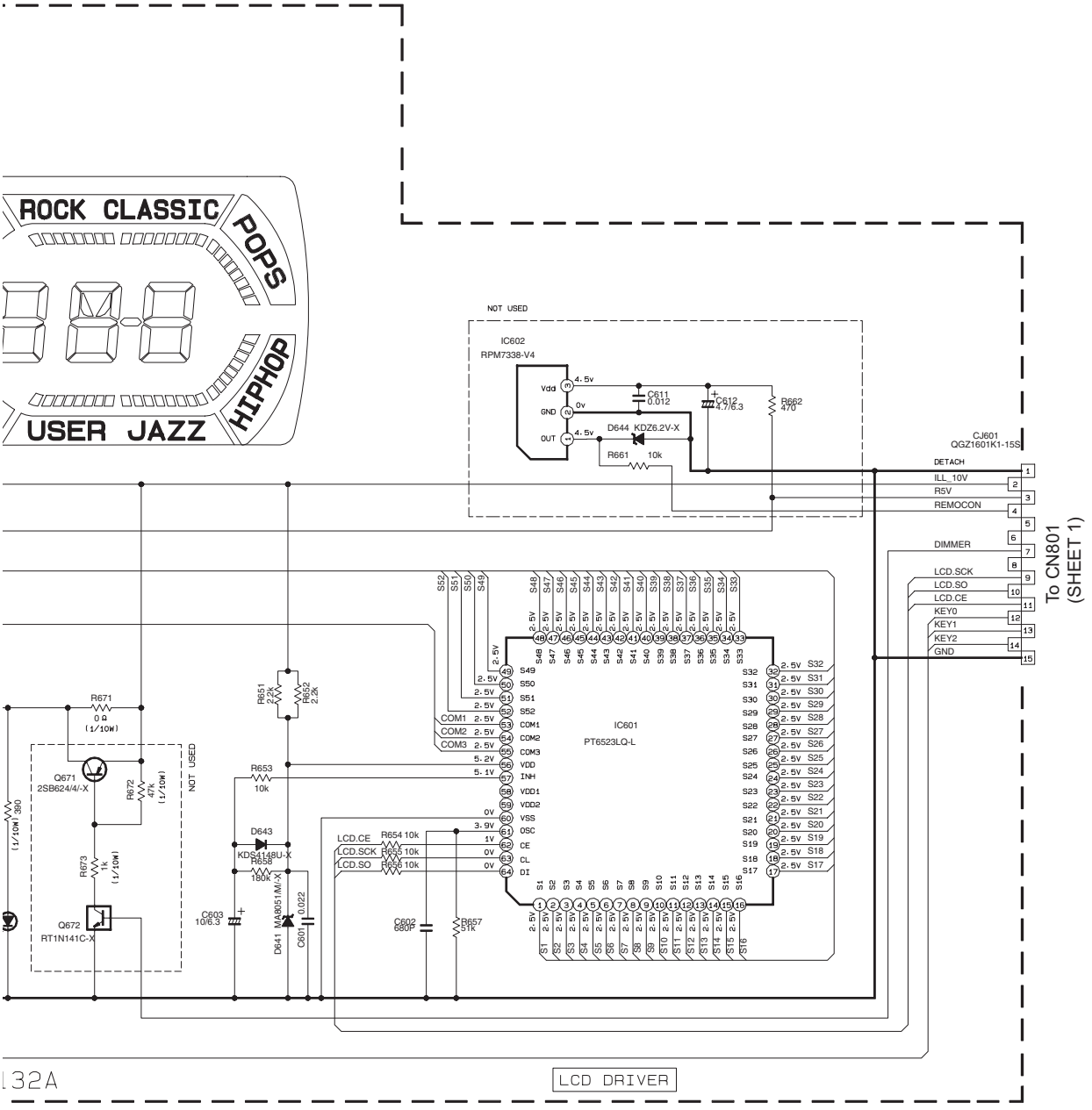
) /RATED VOLTAGE(V)

## ■ LCD & key control section




| | KD-G110J | KD-G115U | KD-G116U | KD-G111E | KD-S11J |
|---|---|---|---|---|---|
| LCD1 | QLD0352-001 | QLD0353-001 | QLD0353-001 | QLD0353-001 | QLD0353-001 |
| D631, D632 | NSPW310BS/B2RS/ | NSPW310BS/BRS/ | NSPW310BS/BRS/ | NSPW310BS/BRS/ | NSPW310BS/BRS/ |
| D601-D607 | SML-310VT/JK/-X | SML-310VT/JK/-X | SML-310VT/JK/-X | SML-310VT/JK/-X | SML-310VT/JK/-X |
| D608, D609 | SML-310LT/MN/-X | SML-310VT/JK/-X | SML-310VT/JK/-X | SML-310VT/JK/-X | SML-310VT/JK/-X |
| D610-D617 | SML-310VT/JK/-X | SML-310VT/JK/-X | SML-310VT/JK/-X | SML-310VT/JK/-X | SML-310VT/JK/-X |
| R638 | 510 | 470 | 470 | 470 | 470 |

FRONT CIR




## CIRCUIT BOARD SECTION

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.

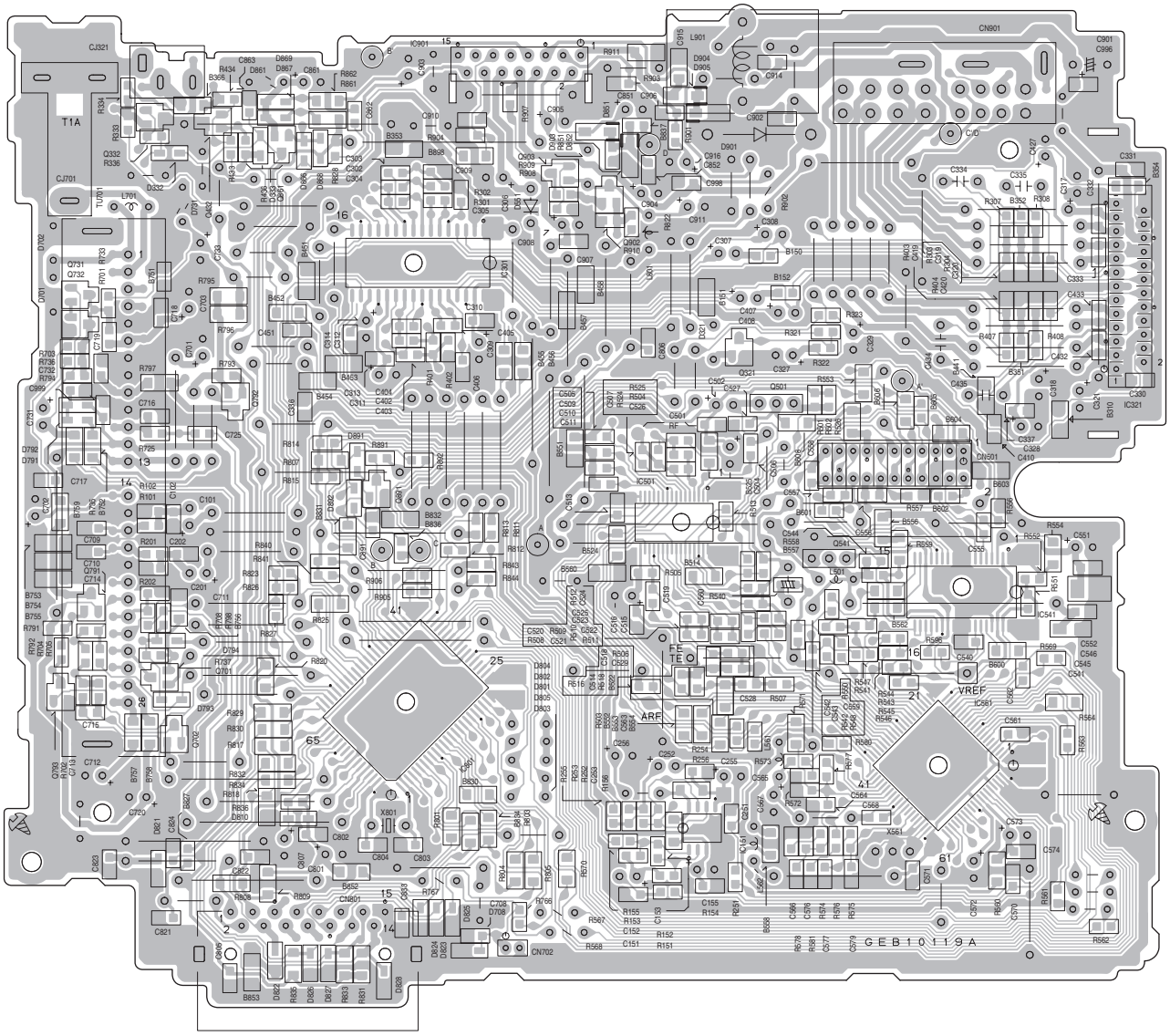
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W METAL GLAZE RESISTORS.
   ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM.
   ALL CAPACITANCE VALUES ARE IN uF(P=pF)
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
   T --- TANTALUM CAPACITOR.

3. COMPONENTS IN ( ) INDICATE NOT USE.

SHEET 3

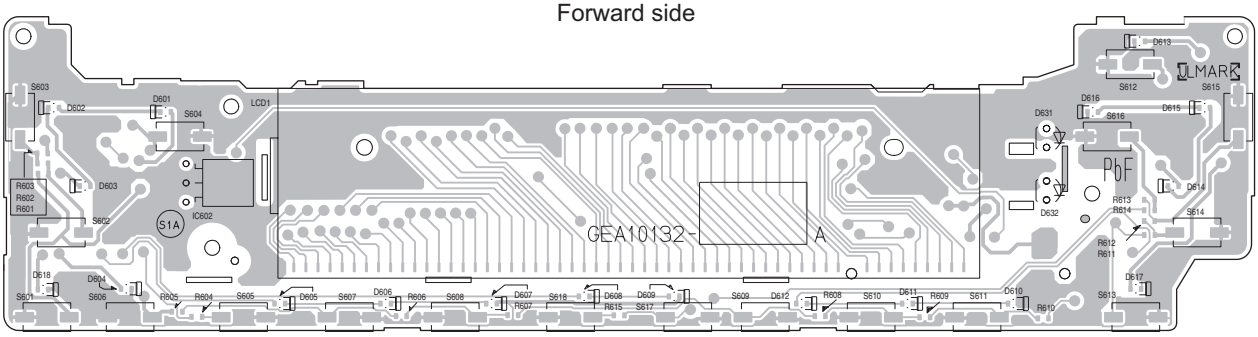
# Printed circuit boards (For J version)

## ■ Main board

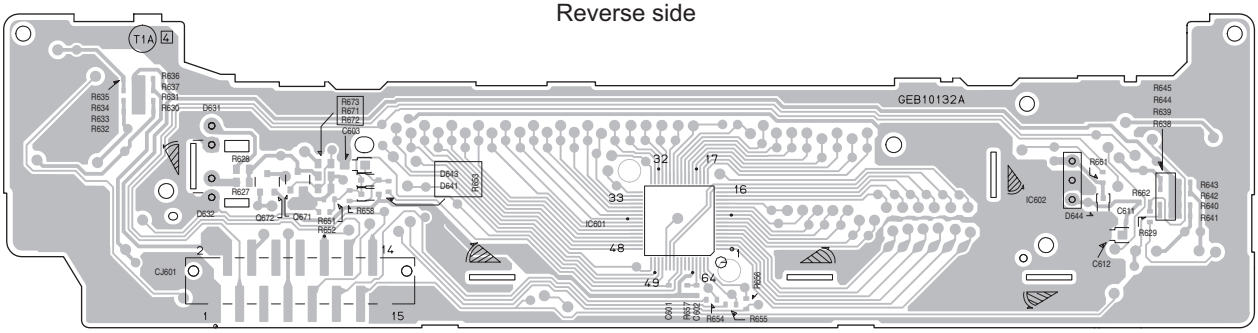


## ■ Switch board

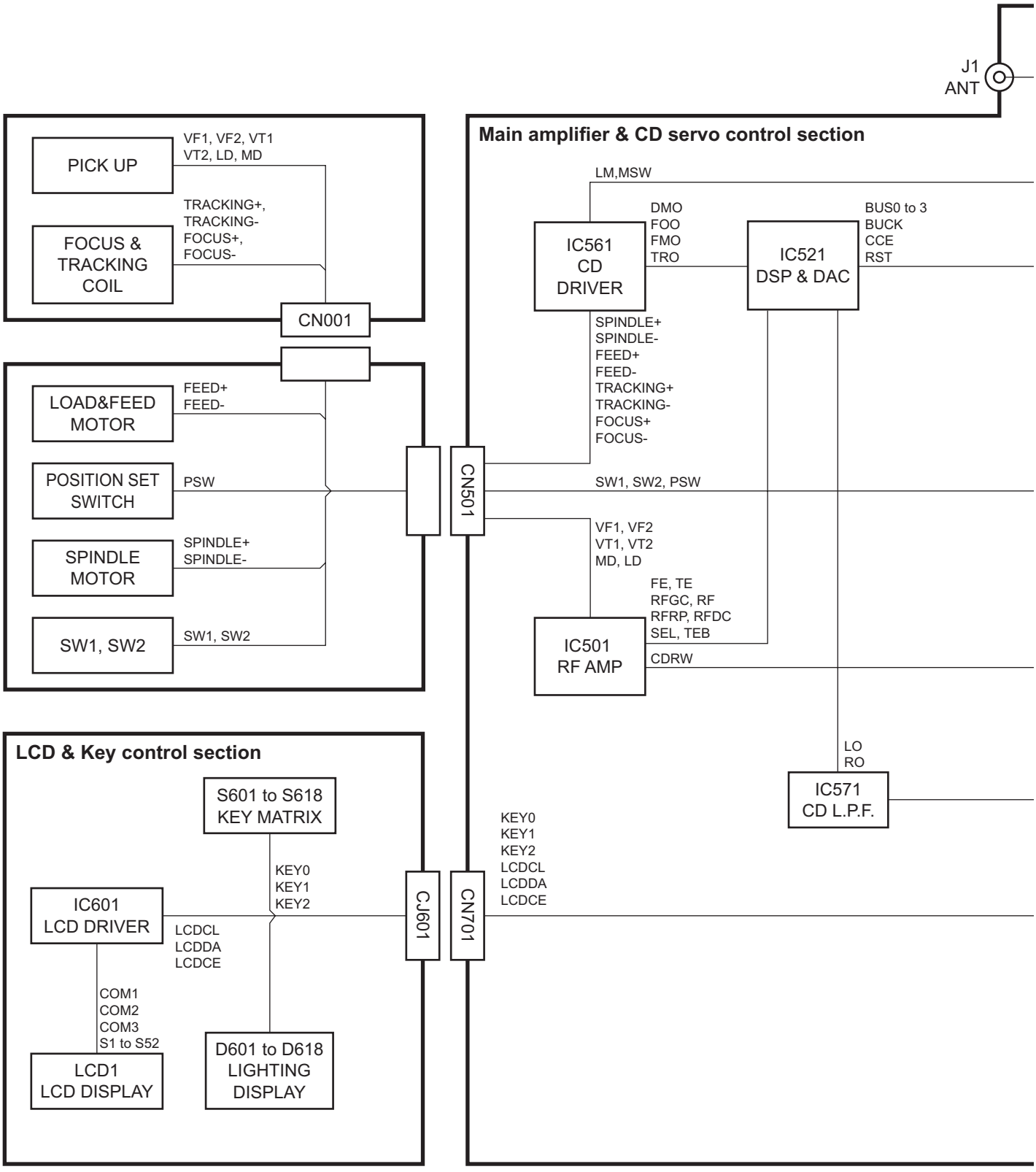
Forward side

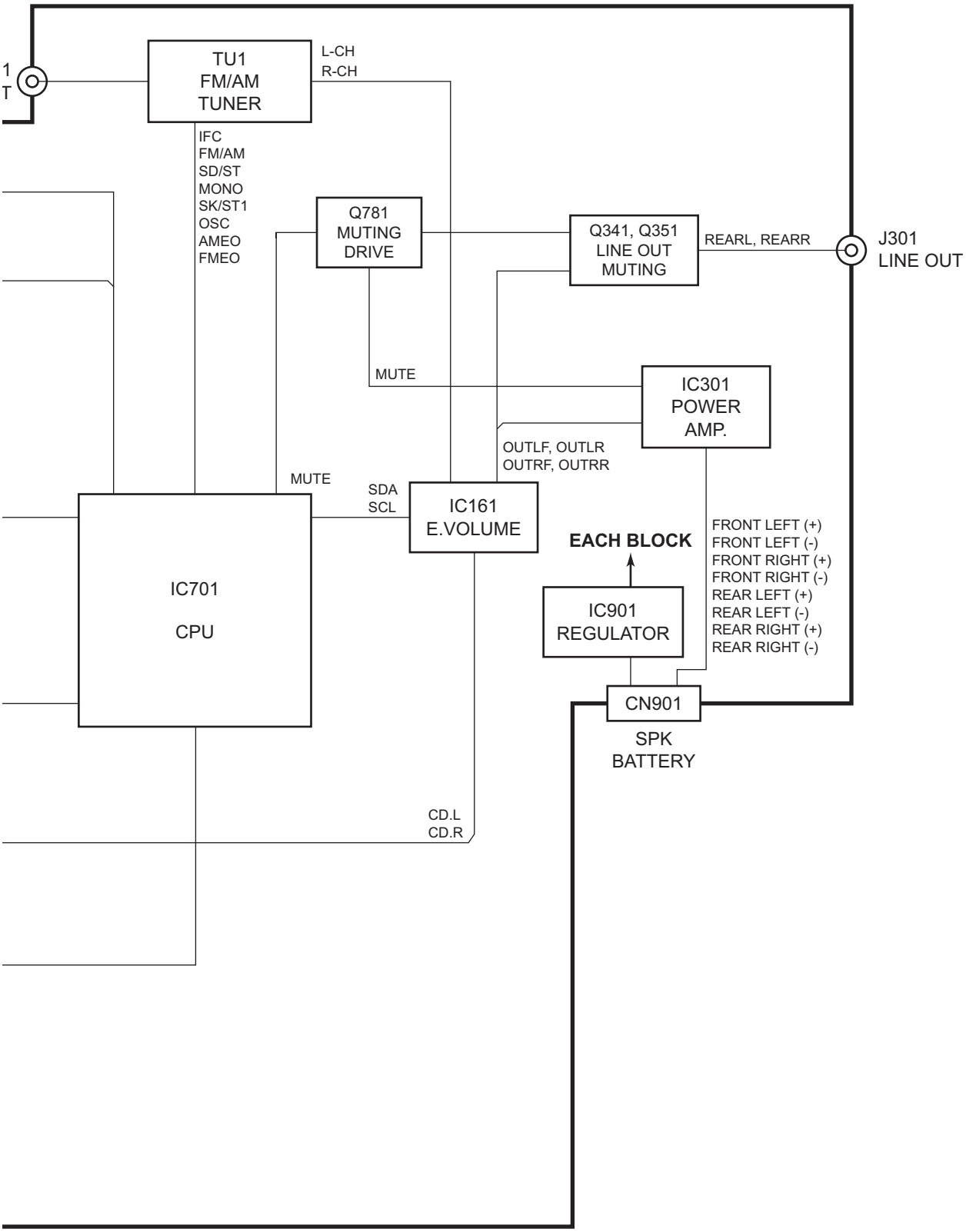



Reverse side



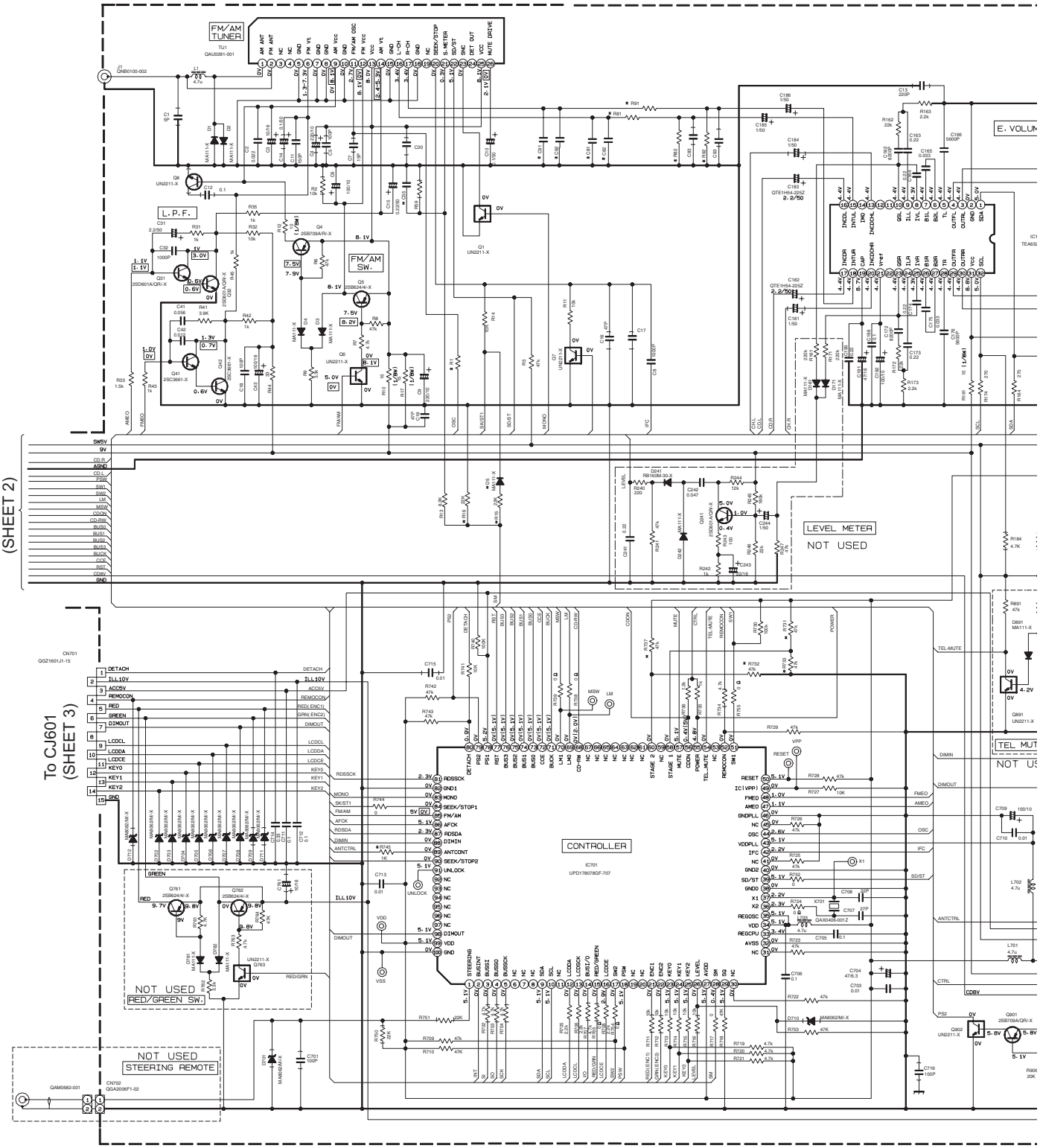
# Block diagram (For J2 version)



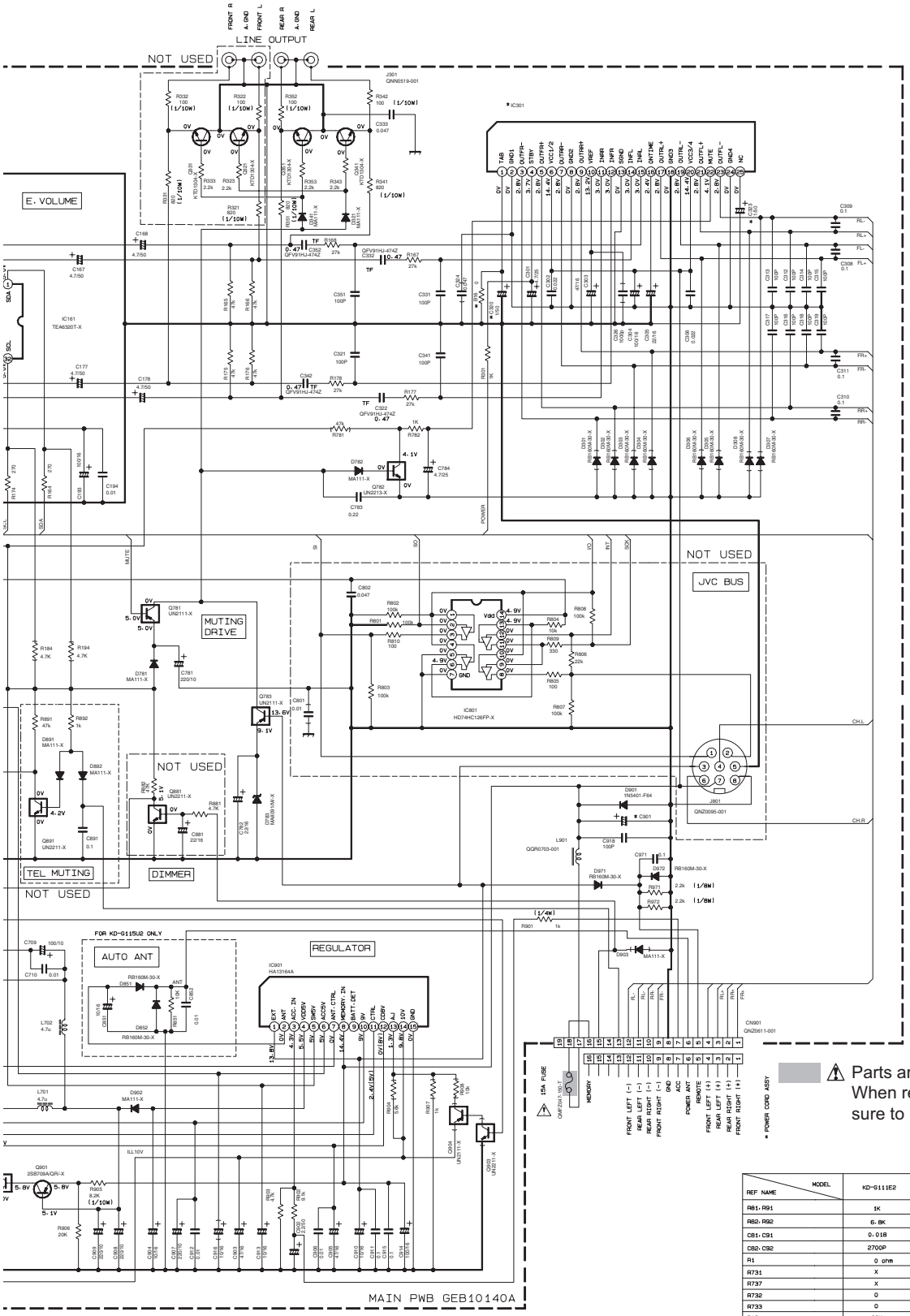

1
T
TU1
FM/AM
TUNER
L-CH
R-CH
IFC
FM/AM
SD/ST
MONO
SK/ST1
OSC
AMEO
FMEO
Q781
MUTING
DRIVE
Q341, Q351
LINE OUT
MUTING
REARL, REARR
J301
LINE OUT
MUTE
IC301
POWER
AMP.
OUTLF, OUTLR
OUTRF, OUTRR
MUTE
SDA
SCL
IC161
E.VOLUME
IC701
CPU
EACH BLOCK
IC901
REGULATOR
FRONT LEFT (+)
FRONT LEFT (-)
FRONT RIGHT (+)
FRONT RIGHT (-)
REAR LEFT (+)
REAR LEFT (-)
REAR RIGHT (+)
REAR RIGHT (-)
CN901
SPK
BATTERY
CD.L
CD.R

# Standard schematic diagrams (For J2 version)

## ■ Main amplifier section




NOTES
1. VOLTAGES ARE DC-MEASURED WITH A
CONDITION---FM MODE. AM MODE
2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/16W +- 5% ME
ALL CAPACITORS ARE 50V OR 25V CE
ALL RESISTANCE VALUES ARE IN OHM
ALL CAPACITANCE VALUES ARE IN uF
ALL E.CAPACITORS ARE SHOWN IN TH
TF --- T.F. CAPACITOR
3. COMPONENTS IN ( ) INDICATE NOT



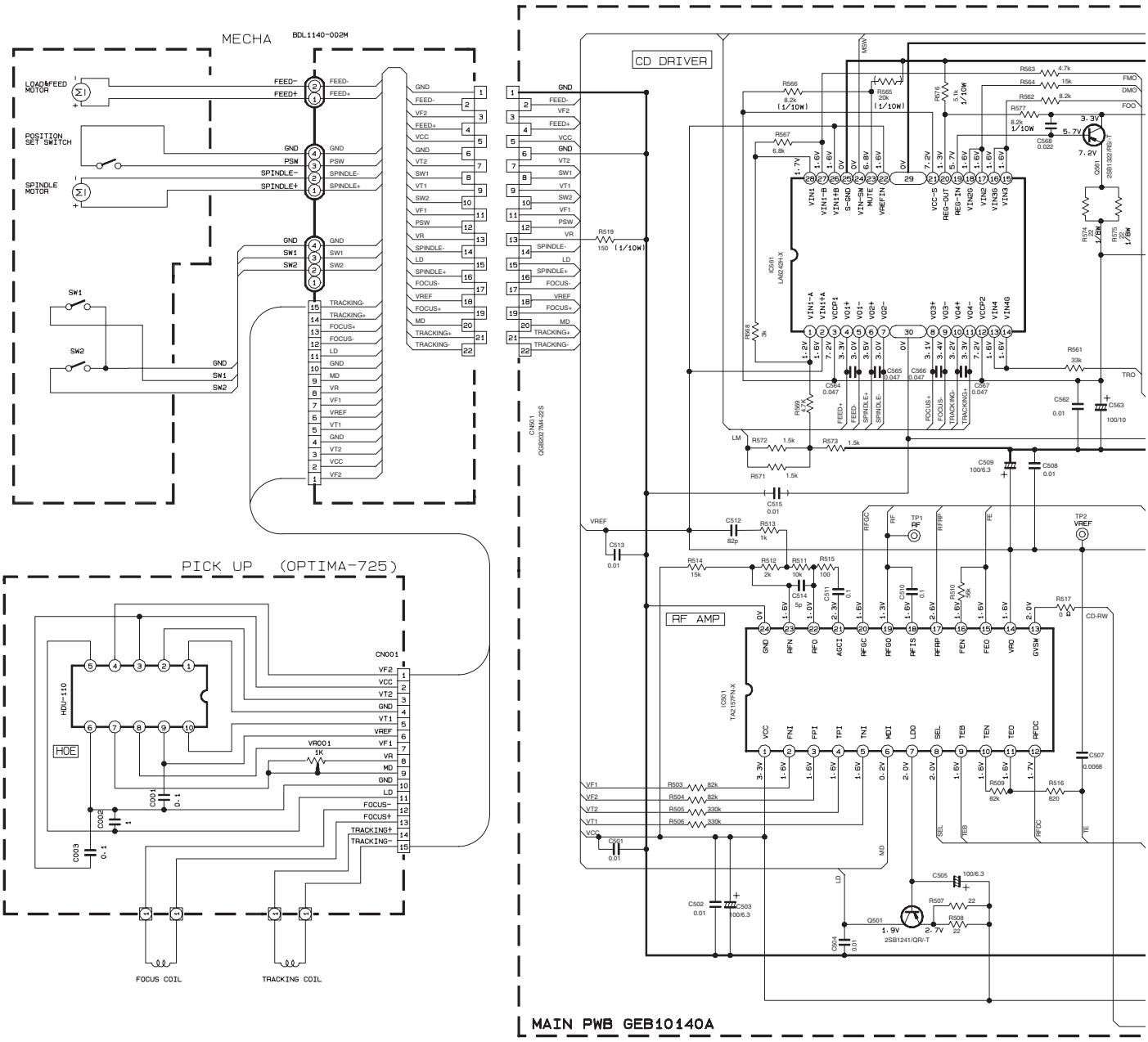

Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

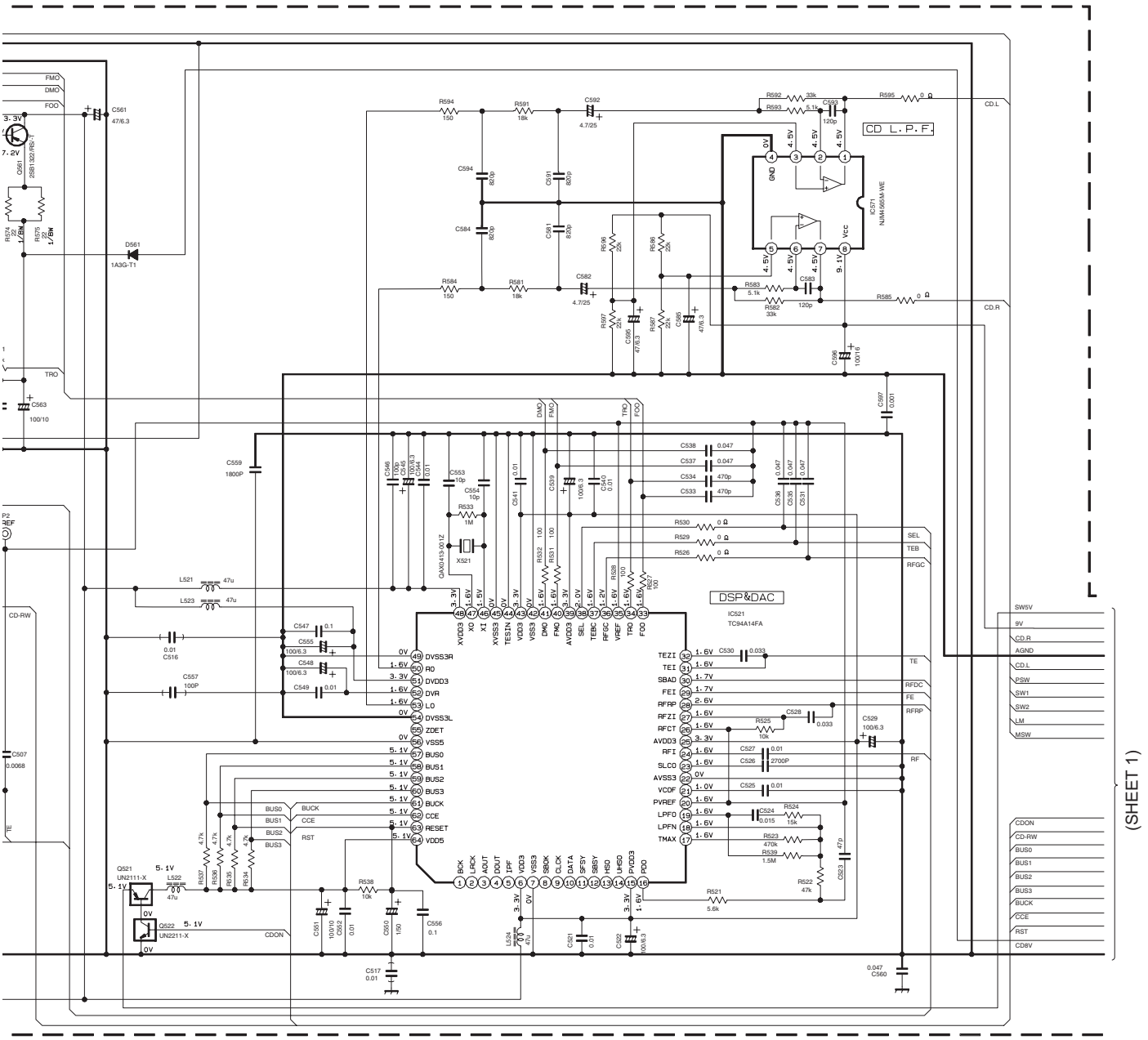
| REF NAME \ MODEL | KD-G111E2 | KD-G110J2/S11J2 | KD-G115U2/S116U2 |
|---|---|---|---|
| RB1-RB1 | 1K | 2.7K | 1K |
| RB2-RB2 | 6.8K | 4.3K | 6.8K |
| CB1-CB1 | 0.018 | 0.033 | 0.018 |
| CB2-CB2 | 2700P | X | 2700P |
| R1 | 0 ohm | 47 | 0 ohm |
| R731 | X | 0 | X |
| R737 | X | X | 0 |
| R732 | 0 | 0 | X |
| R733 | 0 | X | 0 |
| R16 | 22K | 22K | X |
| R15-D5 | X | X | 0 |
| IC301 | LA4743K | LA47516 | LA47516 |
| C320-C323 | X | 0 | 0 |
| B16 | 0 | X | X |
| C901 | 2200/16 QEZ0646-228 | 3300/16 QEZ0676-338 | 3300/16 QEZ0676-338 |
| POWER CORD ASSY | GAM0089-002 | GAM0013-007 | GAM0390-004 |
| C55 | 0.01 | 0.01 | 330P |
| R745 | X | X | 0 |

URED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL
AM MODE. ( )CD MODE.
CIFIED.
16W +- 5% METAL GLAZE RESISTOR.
OV OR 25V CERAMIC CAPACITOR.
S ARE IN OHM.
ES ARE IN uF(P=pF)
SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
TOR
NDICATE NOT USE.

| | | |
|---|---|---|
| | R | UN2211-X R=10K |
| | R | UN2213-X R=47K |
| | 10K 10K | UN2111-X |

## ■ CD servo control section





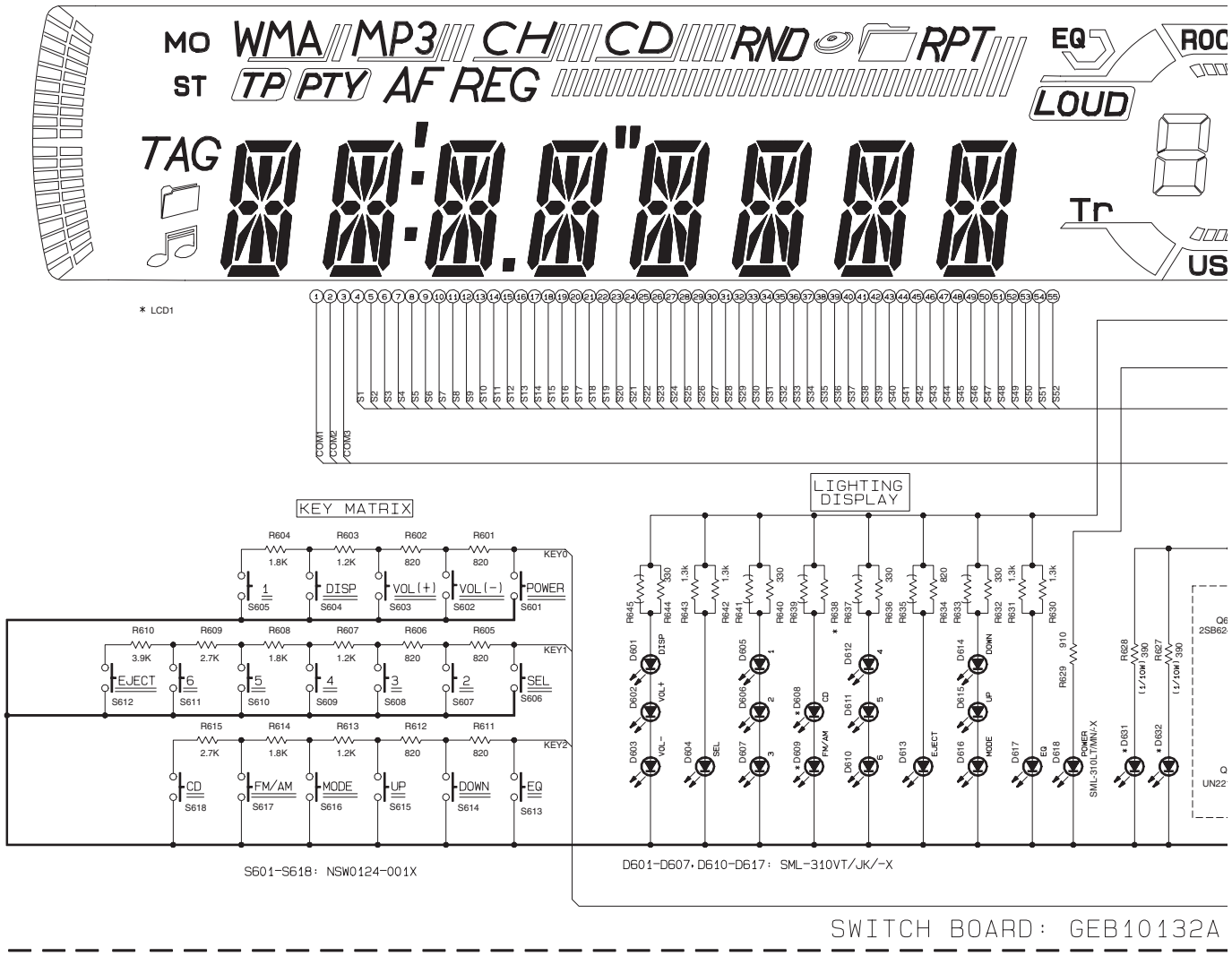

| | | |
|---|---|---|
| | 10K / 10K | UN2211-X |
| | 10K / 10K | UN2111-X |

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL CONDITION --- CD MODE.
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ± 5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM.
   ALL CAPACITANCE VALUES ARE IN uF(P=pF)
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)

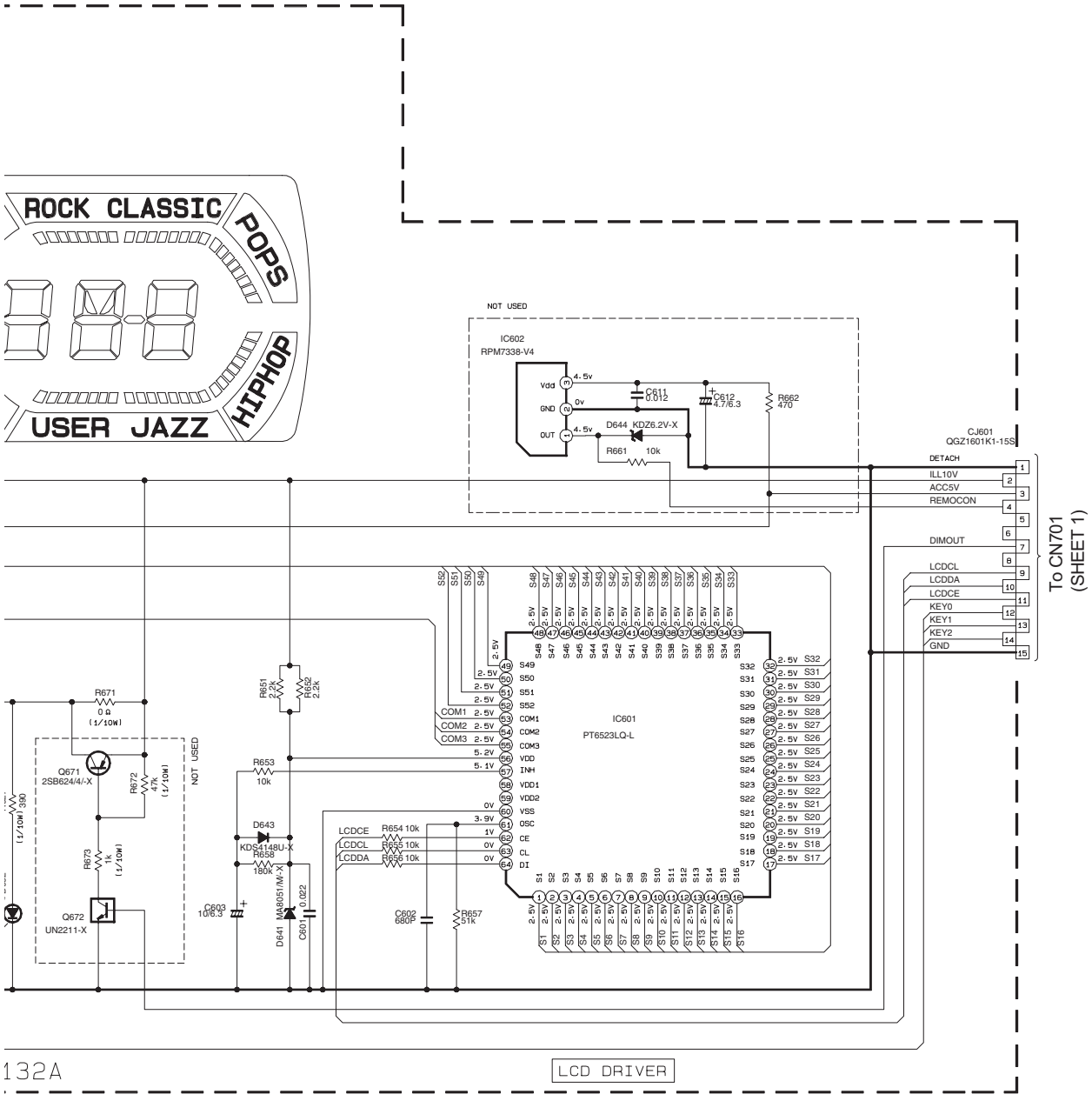
SHEET 2

## ■ LCD & Key control section




| | KD-G110J2 | KD-G115U2 | KD-G116U2 | KD-G111E2 | KD-S11J2 |
|---|---|---|---|---|---|
| LCD1 | QLD0352-001 | QLD0353-001 | QLD0353-001 | QLD0353-001 | QLD0353-001 |
| D631, D632 | NSPW310BS/B2RS/ | NSPW310BS/BRS/ | NSPW310BS/BRS/ | NSPW310BS/BRS/ | NSPW310BS/BRS/ |
| D608, D609 | SML-310LT/MN/-X | SML-310VT/JK/-X | SML-310VT/JK/-X | SML-310VT/JK/-X | SML-310VT/JK/-X |
| R638 | 510 | 470 | 470 | 470 | 470 |

FRONT CIR




## CIRCUIT BOARD SECTION

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.

2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W METAL GLAZE RESISTORS.
   ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM.
   ALL CAPACITANCE VALUES ARE IN uF(P=pF)
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
   T --- TANTALUM CAPACITOR.

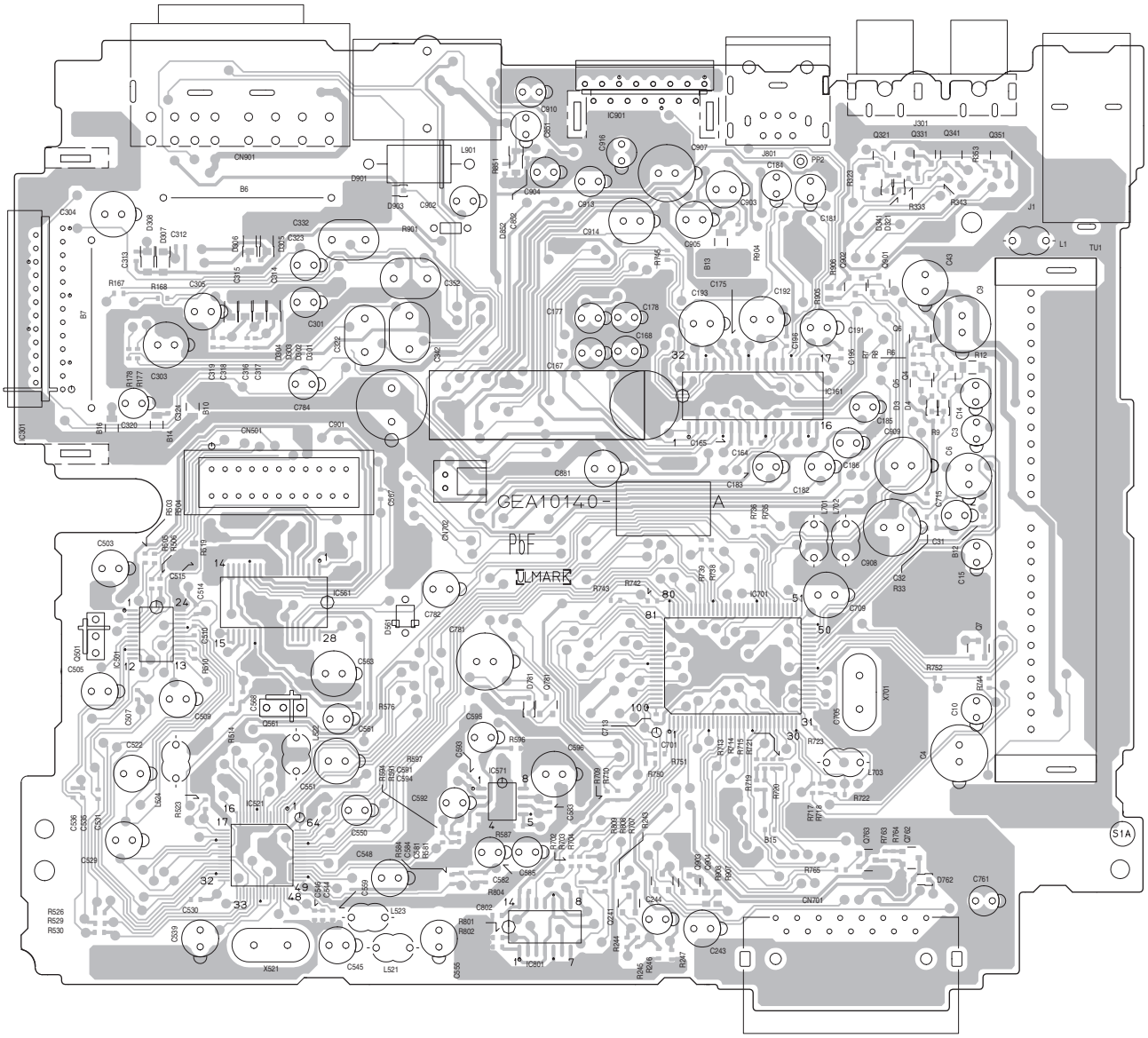
3. COMPONENTS IN ( ) INDICATE NOT USE.

SHEET 3

# Printed circuit boards (For J2 version)

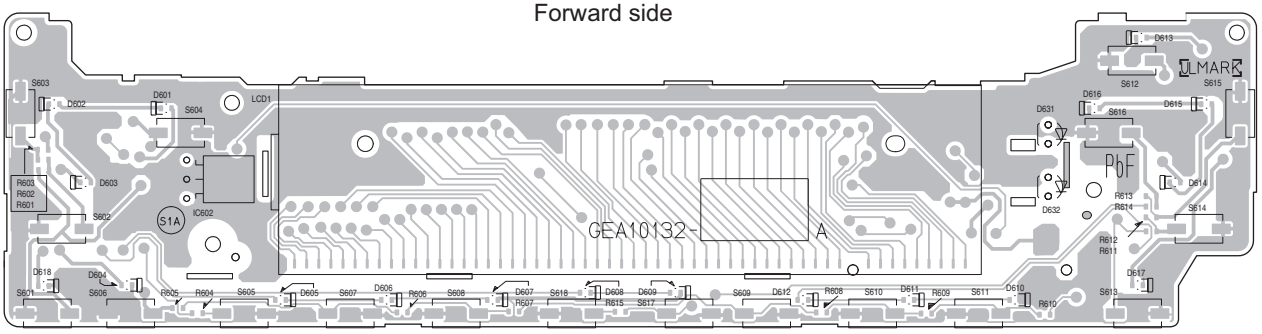
## ■ Main board

Forward side

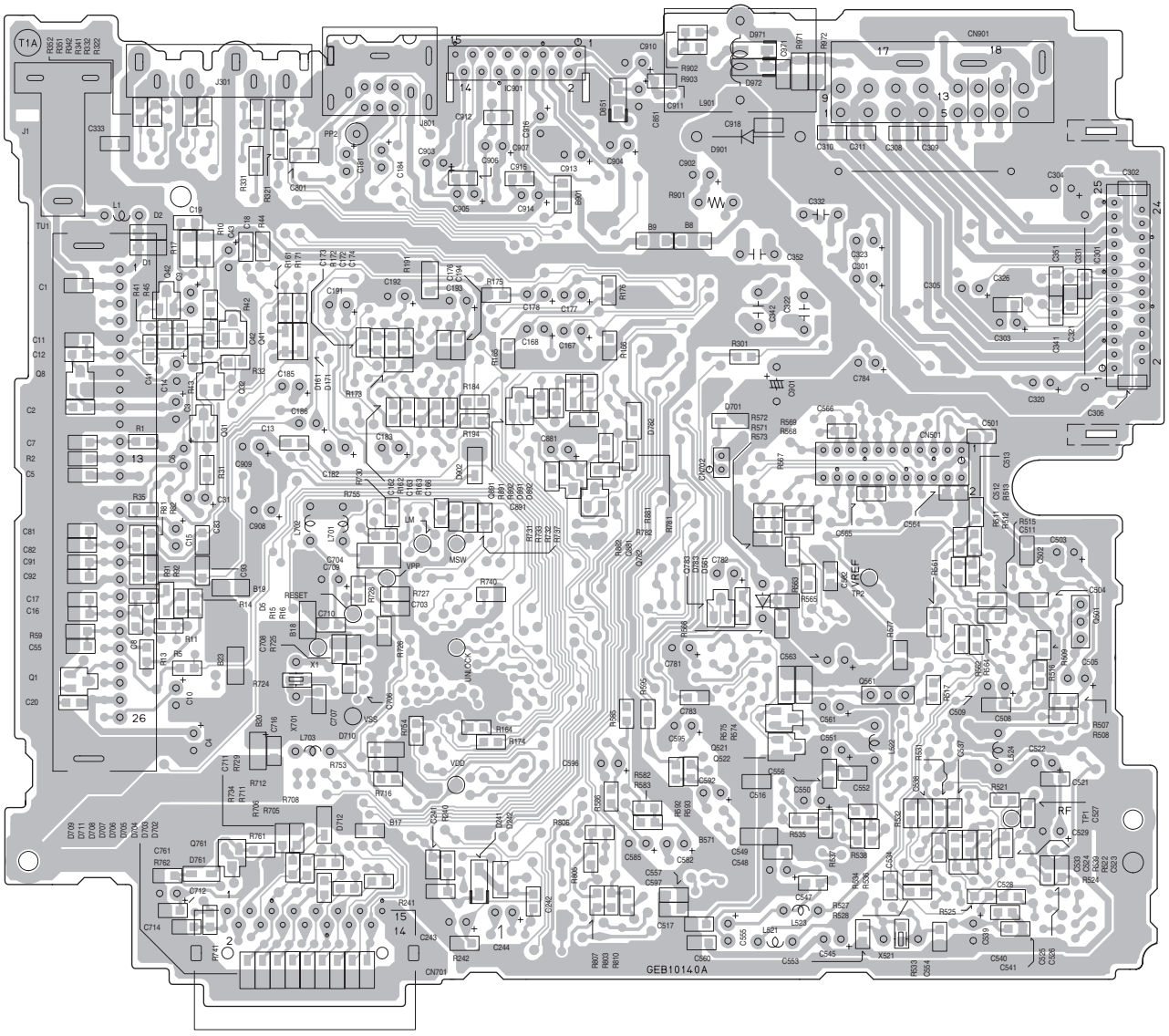



## ■ Switch board

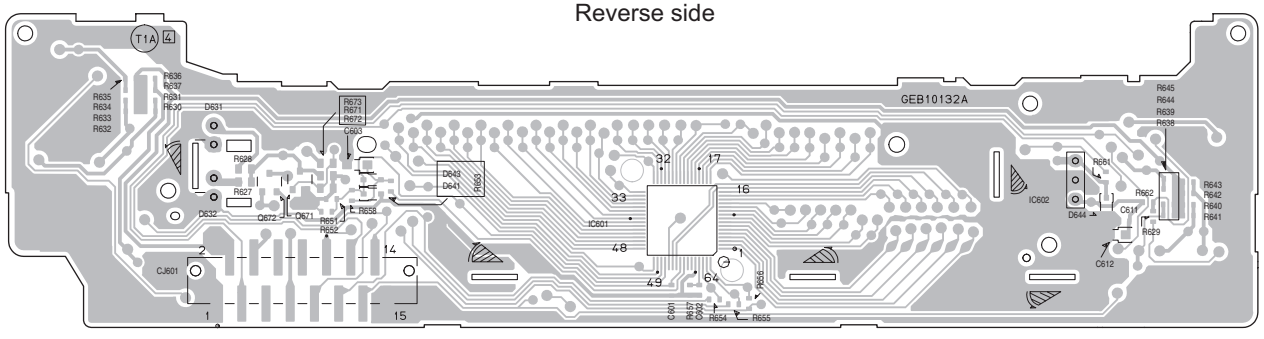
Forward side



Reverse side




Reverse side



JVC
**Victor Company of Japan, Limited**
AV & MULTIMEDIA COMPANY CAR ELECTRONICS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MA121SCH)

Printed in Japan
VPT

# PARTS LIST

## [KD-G110]
## [KD-S11]

* All printed circuit boards and its assemblies are not available as service parts.

Area suffix

J ---------- Northern America

- Contents -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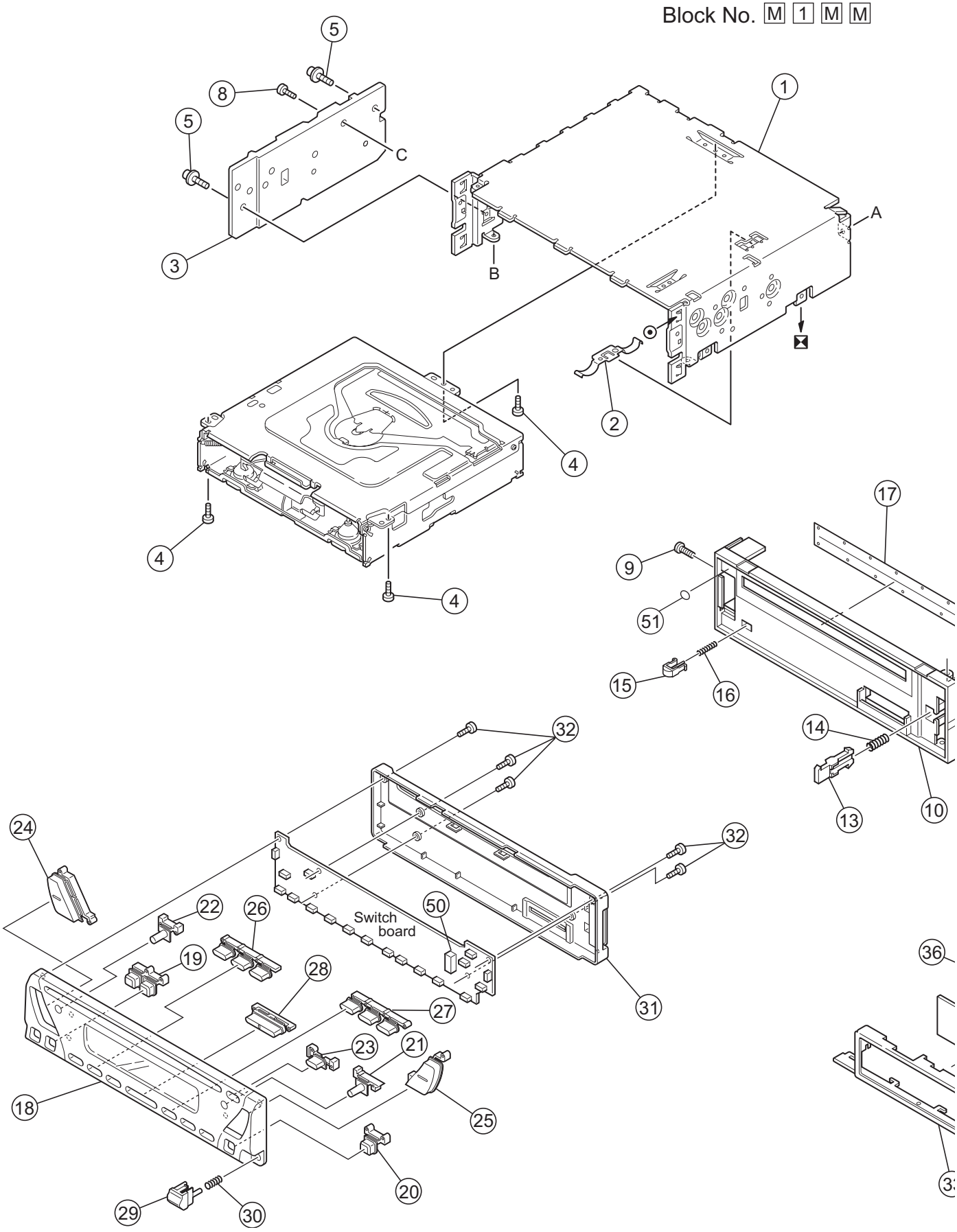
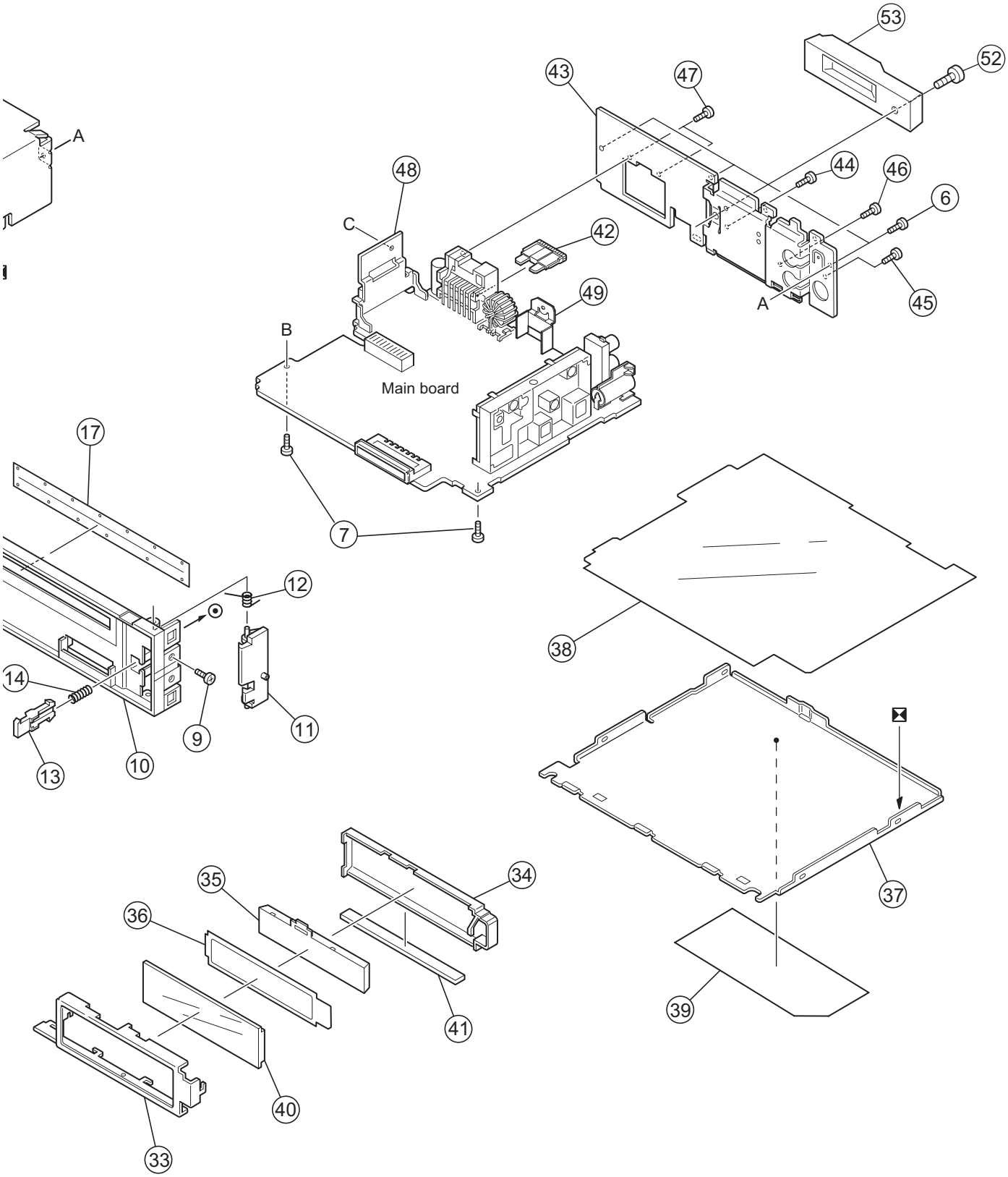
Electrical parts list (Block No.01~02)(KD-G110,KD-S11_J) ---------- 3- 7
Electrical parts list (Block No.03~04)(KD-G110,KD-S11_J2) ---------- 3-10
Packing materials and accessories parts list (Block No.M3) ---------- 3-14

# Exploded view of general assembly and parts list

Block No. M 1 M M




A
53
52
43
47
48
44
46
6
C
42
49
45
A
B
Main board
7
17
12
14
9
11
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35
34
36
41
40
33

# General Assembly

Block No. [M][1][M][M]

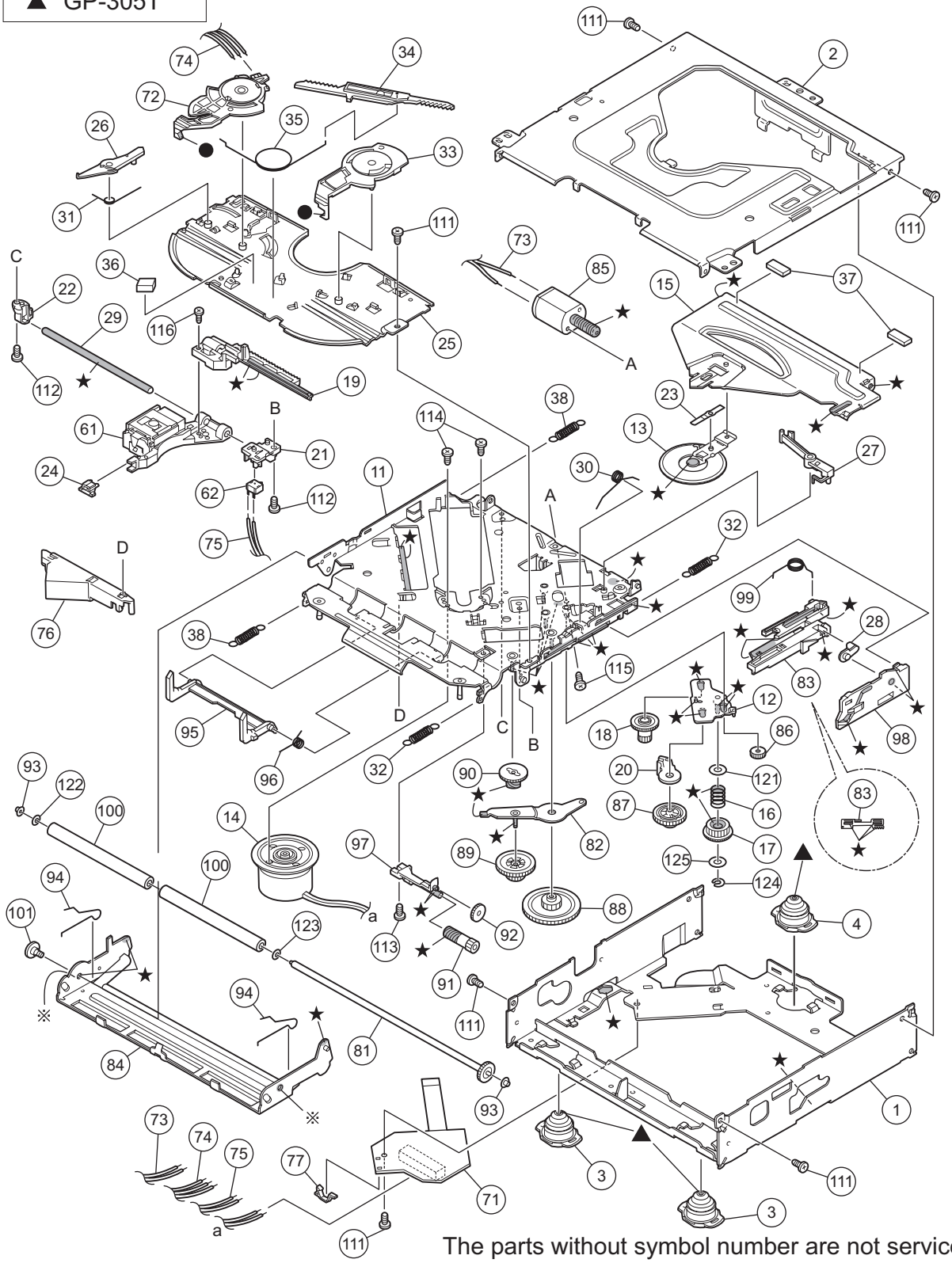
| ⚠ | Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | 1 | GE10104-001A | TOP CHASSIS | | |
| | 2 | GE40135-001A | EARTH PLATE | | |
| | 3 | GE30938-003A | SIDE PANEL | | |
| | 4 | QYSDST2604ZA | TAP SCREW | M2.6 x 4mm(x3) | |
| | 5 | GE40235-001A | SCREW | (x2) | |
| | 6 | QYSDST2604ZA | TAP SCREW | M2.6 x 4mm(x3) | |
| | 7 | GE40235-004A | SCREW | (x2) | |
| | 8 | QYSDST2610ZA | TAP SCREW | M2.6 x 10mm | |
| | 9 | QYSDST2004ZA | TAP SCREW | M2 x 4mm(x2) | |
| | 10 | GE10103-001A | FRONT CHASSIS | | |
| | 11 | GE31569-002A | LOCK LEVER | | |
| | 12 | GE40269-001A | TORSION SPRING | | |
| | 13 | GE31568-001A | RLS KNOB | | |
| | 14 | GE40202-011A | COMP.SPRING | | |
| | 15 | GE40250-001A | PANEL STOPPER | | G110J,S11J |
| | 15 | GE40250-002A | PANEL STOPPER | | G110J2,S11J2 |
| | 16 | GE40202-009A | COMP.SPRING | | |
| | 17 | GE40257-001A | BLIND | | |
| | 18 | GE20176-007A | FRONT PANEL ASSY | G110J,G110J2 | |
| | 18 | GE20176-005A | FRONT PANEL ASSY | S11J,S11J2 | |
| | 19 | GE31561-005A | POWER/SEL BTN | | G110J,G110J2 |
| | 19 | GE31561-002A | POWER/SEL BTN | | S11J,S11J2 |
| | 20 | GE31572-009A | EQ BUTTON | | G110J,G110J2 |
| | 20 | GE31572-003A | EQ BUTTON | | S11J,S11J2 |
| | 21 | GE31562-001A | MODE BUTTON | | |
| | 22 | GE31563-001A | DISP BUTTON | | |
| | 23 | GE31564-001A | EJECT BUTTON | | |
| | 24 | GE31560-005A | VOL BUTTON | | G110J,G110J2 |
| | 24 | GE31560-002A | VOL BUTTON | | S11J,S11J2 |
| | 25 | GE31559-005A | SEARCH BUTTON | | G110J,G110J2 |
| | 25 | GE31559-002A | SEARCH BUTTON | | S11J,S11J2 |
| | 26 | GE31555-005A | PRESET BTN (L) | | G110J,G110J2 |
| | 26 | GE31555-002A | PRESET BTN (L) | | S11J,S11J2 |
| | 27 | GE31556-005A | PRESET BTN (R) | | G110J,G110J2 |
| | 27 | GE31556-002A | PRESET BTN (R) | | S11J,S11J2 |
| | 28 | GE31557-005A | D FUNCT BUTTON | | G110J,G110J2 |
| | 28 | GE31557-007A | D.FUNC BUTTON | | S11J,S11J2 |
| | 29 | GE31558-004A | DETACH BUTTON | | G110J,G110J2 |
| | 29 | GE31558-002A | DETACH BUTTON | | S11J,S11J2 |
| | 30 | GE40202-010A | COMP.SPRING | | |
| | 31 | GE10102-001A | REAR COVER | | |
| | 32 | VKZ4777-010 | MINI SCREW | (x5) | G110J,S11J |
| | 32 | VKZ4777-006 | MINI SCREW | (x5) | G110J2,S11J2 |
| | 33 | GE31565-001A | LCD CASE | | |
| | 34 | GE31566-001A | LENS CASE | | |
| | 35 | GE31567-001A | LCD LENS | | |
| | 36 | GE40248-001A | LIGHTING SHEET | | |
| | 37 | GE31570-001A | BOTTOM COVER | | |
| | 38 | FSMA3004-203 | INSULATOR | | |
| | 39 | GE31389-001A | NAME PLATE | | G110J |
| | 39 | GE31389-002A | NAME PLATE | | G110J2 |
| | 39 | GE31386-001A | NAME PLATE | | S11J |
| | 39 | GE31386-002A | NAME PLATE | | S11J2 |
| | 40 | QLD0352-001 | LCD MODULE | | G110J,G110J2 |
| | 40 | QLD0353-001 | LCD MODULE | | S11J,S11J2 |
| | 41 | QNZ0442-001 | LCD CONNECTOR | | |
| ⚠ | 42 | QMFZ047-150-T | FUSE | 15A | |
| | 43 | GE31571-005A | REAR BRACKET | | |
| | 44 | QYSDST2606ZA | TAP SCREW | M2.6 x 6mm | |
| | 45 | QYSDST2606ZA | TAP SCREW | M2.6 x 6mm | |
| | 46 | QYSDSF2606ZA | TAP SCREW | M2.6 x 6mm | |
| | 47 | QYSDSF2606ZA | TAP SCREW | M2.6 x 6mm(x2) | |
| | 48 | GE40172-004A | IC BRACKET | | |
| | 49 | GE40124-002A | REG BRACKET | | |
| | 50 | GE30854-001A | LED HOLDER | | |
| | 51 | FSYH4036-098 | SHEET | | |
| | 52 | QYSPSP5014ZA | SCREW | M5 x 14mm | S11J,S11J2 |
| | 53 | GE40225-001A | CAR STEREO TAG | | S11J,S11J2 |

# CD mechanism assembly and parts list

Grease
- ★ TNG-87
- ※ GP-501MK
- ● CFD-005Z
- ▲ GP-305T

TN-2001-1011

Block No. M B M M



The parts without symbol number are not service.

# CD mechanism

Block No. [M][B][M][M]

| ⚠ | Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | 1 | 30320101T | FRAME | | |
| | 2 | 30320102T | TOP COVER | | |
| | 3 | 30320115T | DANPER F | | |
| | 4 | 30320116T | DANPER R | | |
| | 11 | 303205505T | CHASSIS RIVET | | |
| | 12 | 303205503T | CHANGE P. RVT A | | |
| | 13 | 303205301T | CLAMPER ASS'Y | | |
| | 14 | 303205302T | SPINDLE MOTOR A | | |
| | 15 | 30320502T | CLAMPER ARM | | |
| | 16 | 30320503T | CHANGE GEAR SPG | | |
| | 17 | 30320505T | CHANGE GEAR 2 | | |
| | 18 | 30320506T | FEED GEAR | | |
| | 19 | 30320507T | FEED RACK | | |
| | 20 | 30320509T | CHANGE LOCK RAR | | |
| | 21 | 30320510T | FEED SW HOLDER | | |
| | 22 | 30320511T | PU SHAFT HOLDER | | |
| | 23 | 30320513T | CLAMPER SUB SPG | | |
| | 24 | 30320514T | FD SUB HOLDER | | |
| | 25 | 30320518T | TOP PLATE | | |
| | 26 | 30320519T | SELECT LOCK ARM | | |
| | 27 | 30320520T | TRIGGER ARM | | |
| | 28 | 30320521T | SLIDE HOOK | | |
| | 29 | 30320522T | PU SHAFT | | |
| | 30 | 30320525T | CLAMPER ARM SPG | | |
| | 31 | 30320526T | SELECT L ARM SP | | |
| | 32 | 30320538T | SUSPENSION SP R | | |
| | 33 | 30320529T | SELECT ARM R | | |
| | 34 | 30320530T | LINK PLATE | | |
| | 35 | 30320531T | LINK PLATE SPG | | |
| | 36 | 30320523T | CUSHION F | | |
| | 37 | 30320524T | CUSHION R | | |
| | 38 | 30320539T | SUSPENSION SP L | | |
| | 61 | 69011614T | PICKUP OPT-725 | | |
| | 62 | 64180406T | DET SW ESE22 | | |
| | 71 | 303210301T | CONN PWB ASS'Y | | |
| | 72 | 30321002T | MODE SW | | |
| | 73 | 30321003T | LOAD MOTOR WIRE | | |
| | 74 | 30321005T | MODE SW WIRE | | |
| | 75 | 30321009T | SL WIRE | | |
| | 76 | 30321011T | WIRE HOLDER | | |
| | 77 | 19501403T | WIRE CLUMPER | | |
| | 81 | 303211301T | ROLLER SHAFT AS | | |
| | 82 | 303211501T | L GEAR PLATE RV | | |
| | 83 | 303211302T | LOADING PLATE A | | |
| | 84 | 303211502T | LOCK ARM RV ASS | | |
| | 85 | 303211303T | L/F MOTOR ASS'Y | | |
| | 86 | 30321101T | LOADING GEAR 1 | | |
| | 87 | 30321102T | LOADING GEAR 2 | | |
| | 88 | 30321103T | LOADING GEAR 3 | | |
| | 89 | 30321104T | LOADING GEAR 4 | | |
| | 90 | 30321105T | LOADING GEAR 5 | | |
| | 91 | 30321106T | LOADING GEAR 6 | | |
| | 92 | 30321107T | LOADING GEAR 7 | | |
| | 93 | 30321149T | ROLLER GUIDE | | |
| | 94 | 30321114T | ROLLER GUIDE SP | | |
| | 95 | 30321116T | DISC STOPPER AR | | |
| | 96 | 30321117T | DISC ST ARM SPG | | |
| | 97 | 30321118T | LD GEAR BRACKET | | |
| | 98 | 30321125T | L SIDE PLATE | | |
| | 99 | 30321131T | LOAD PLATE SPG | | |
| | 100 | 30321133T | LDG ROLLER | | |
| | 101 | 18211223T | COLLAR SCREW | | |
| | 111 | 9P0420031T | SCREW | | |
| | 112 | 9P0420041T | TAP.SCREW | | |
| | 113 | 9B0320041T | SCREW | | |
| | 114 | 9C0117183T | SCREW | | |
| | 115 | 9C0120203T | SCREW | | |
| | 116 | 9C0317503T | SCREW | | |
| | 121 | 9W0130170T | PW 3.5X8X0.3 | | |
| | 122 | 9W0513060T | HL WASHER | | |
| | 123 | 9W0710070T | L WASHER | | |
| | 124 | 9E0100152T | E RING | | |
| | 125 | 9W0113020T | PW 2.1X4X0.13 | | |

# Electrical parts list

## Main board(KD-G110,KD-S11_J)

Block No. [0][1]

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC151 | NJM4565M-WE | IC | | |
| IC301 | TEA6320T-X | IC | | |
| IC321 | LA47516 | POWER IC | | |
| IC501 | AN22002A-W | IC | | |
| IC541 | LA6242H-X | IC | | |
| IC561 | MN6627482WA | IC | | |
| IC801 | JES01-9C84 | IC | | |
| IC901 | HA13164A | IC | | |
| Q321 | KTD1304-X | TRANSISTOR | | |
| Q332 | KTD1304-X | TRANSISTOR | | |
| Q432 | KTD1304-X | TRANSISTOR | | |
| Q501 | 2SA2093/QR/-T | TRANSISTOR | | |
| Q541 | 2SA2093/QR/-T | TRANSISTOR | | |
| Q701 | RT1N141C-X | TRANSISTOR | | |
| Q731 | 2SC3928A/R/-X | TRANSISTOR | | |
| Q732 | 2SC3928A/R/-X | TRANSISTOR | | |
| Q791 | 2SB1197K/QR/-X | TRANSISTOR | | |
| Q792 | 2SA1530A/R/-X | TRANSISTOR | | |
| Q793 | RT1N141C-X | TRANSISTOR | | |
| Q861 | RT1P141C-X | TRANSISTOR | | |
| Q902 | 2SC3928A/R/-X | TRANSISTOR | | |
| Q903 | 2SA1530A/R/-X | TRANSISTOR | | |
| D321 | 1SS133-T2 | SI DIODE | | |
| D332 | KDS4148U-X | DIODE | | |
| D333 | KDS4148U-X | DIODE | | |
| D551 | 1A3G-T1 | SI DIODE | | |
| D701 | 1SS133-T2 | SI DIODE | | |
| D702 | 1SS133-T2 | SI DIODE | | |
| D791 | KDS4148U-X | DIODE | | |
| D792 | KDS4148U-X | DIODE | | |
| D801 | 1SS133-T2 | SI DIODE | | |
| D810 | KDS4148U-X | DIODE | | |
| D821 | KDZ6.2V-X | Z DIODE | | |
| D822 | KDZ6.2V-X | Z DIODE | | |
| D823 | KDZ6.2V-X | Z DIODE | | |
| D824 | KDZ6.2V-X | Z DIODE | | |
| D825 | KDZ6.2V-X | Z DIODE | | |
| D826 | KDZ6.2V-X | Z DIODE | | |
| D827 | KDZ6.2V-X | Z DIODE | | |
| D828 | KDZ6.2V-X | Z DIODE | | |
| D861 | MTZJ4.7B-T2 | Z DIODE | | |
| D866 | KDS4148U-X | DIODE | | |
| D867 | KDS4148U-X | DIODE | | |
| D868 | KDS4148U-X | DIODE | | |
| D869 | KDS4148U-X | DIODE | | |
| D901 | 1N5401-F64 | DIODE | | |
| D903 | 1SS133-T2 | SI DIODE | | |
| D904 | RB160M-30-X | SB DIODE | | |
| D905 | RB160M-30-X | SB DIODE | | |
| C101 | QEKJ1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C102 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K | |
| C151 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C152 | QTE1H54-225Z | E CAPACITOR | 2.2uF 50V | |
| C153 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J | |
| C155 | QEKJ0JM-476Z | E CAPACITOR | 47uF 6.3V M | |
| C201 | QEKJ1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C202 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K | |
| C251 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C252 | QTE1H54-225Z | E CAPACITOR | 2.2uF 50V | |
| C253 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J | |
| C255 | QEKJ0JM-476Z | E CAPACITOR | 47uF 6.3V M | |
| C256 | QEKJ1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C302 | NCB31HK-822X | C CAPACITOR | 8200pF 50V K | |
| C303 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K | |
| C304 | NCB21CK-224X | C CAPACITOR | 0.22uF 16V K | |
| C305 | NCB21HK-333X | C CAPACITOR | 0.033uF 50V K | |
| C306 | NCB31HK-562X | C CAPACITOR | 5600pF 50V K | |
| C307 | QEKJ1EM-475Z | E CAPACITOR | 4.7uF 25V M | |

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C308 | QEKJ1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C309 | QEKJ1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C310 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C311 | QEKJ1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C312 | QEKJ1CM-476Z | E CAPACITOR | 47uF 16V M | |
| C313 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C314 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K | |
| C317 | QEKJ1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C318 | QEKJ1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C319 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C320 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C321 | QEKJ1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C327 | QEKJ1CM-106Z | E CAPACITOR | 10uF 16V M | |
| C328 | QEKJ1CM-476Z | E CAPACITOR | 47uF 16V M | |
| C329 | QEKJ1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C330 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K | |
| C331 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K | |
| C332 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C333 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C334 | QFV91HJ-474Z | MF CAPACITOR | 0.47uF 50V J | |
| C335 | QFV91HJ-474Z | MF CAPACITOR | 0.47uF 50V J | |
| C402 | NCB31HK-822X | C CAPACITOR | 8200pF 50V K | |
| C403 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K | |
| C404 | NCB21CK-224X | C CAPACITOR | 0.22uF 16V K | |
| C405 | NCB21HK-333X | C CAPACITOR | 0.033uF 50V K | |
| C406 | NCB31HK-562X | C CAPACITOR | 5600pF 50V K | |
| C407 | QEKJ1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C408 | QEKJ1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C419 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C420 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C427 | QEKJ1CM-226Z | E CAPACITOR | 22uF 16V M | |
| C432 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C433 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C434 | QFV91HJ-474Z | MF CAPACITOR | 0.47uF 50V J | |
| C435 | QFV91HJ-474Z | MF CAPACITOR | 0.47uF 50V J | |
| C501 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C502 | QEKJ1CM-106Z | E CAPACITOR | 10uF 16V M | |
| C504 | QEKJ1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C505 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C506 | NDC31HJ-680X | C CAPACITOR | 68pF 50V J | |
| C507 | NCB31AK-334X | C CAPACITOR | 0.33uF 10V K | |
| C509 | NCB31EK-393X | C CAPACITOR | 0.039uF 25V K | |
| C510 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K | |
| C511 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K | |
| C513 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J | |
| C514 | NCB31EK-563X | C CAPACITOR | 0.056uF 25V K | |
| C515 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C516 | QERF1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C518 | NCB31EK-473X | C CAPACITOR | 0.047uF 25V K | |
| C519 | NCB31EK-473X | C CAPACITOR | 0.047uF 25V K | |
| C520 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C521 | NDC31HJ-271X | C CAPACITOR | 270pF 50V J | |
| C522 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K | |
| C523 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K | |
| C524 | NCB31EK-333X | C CAPACITOR | 0.033uF 25V K | |
| C525 | NCB31EK-333X | C CAPACITOR | 0.033uF 25V K | |
| C528 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C540 | NCS31HJ-680X | C CAPACITOR | 68pF 50V J | |
| C541 | NBE20JM-476X | TA E CAPACITOR | 47uF 6.3V M | |
| C542 | NCB31EK-332X | C CAPACITOR | 3300pF 25V K | |
| C543 | NCB31EK-333X | C CAPACITOR | 0.033uF 25V K | |
| C545 | NCB31EK-103X | C CAPACITOR | 0.01uF 25V K | |
| C546 | NBE41AM-476X | TA E CAPACITOR | 47uF 10V M | |
| C551 | QEKJ1AM-227Z | E CAPACITOR | 220uF 10V M | |
| C552 | NCB31EK-103X | C CAPACITOR | 0.01uF 25V K | |
| C555 | NCB31EK-473X | C CAPACITOR | 0.047uF 25V K | |
| C556 | NCB31EK-473X | C CAPACITOR | 0.047uF 25V K | |
| C557 | NCB31EK-473X | C CAPACITOR | 0.047uF 25V K | |
| C558 | NCB31EK-473X | C CAPACITOR | 0.047uF 25V K | |
| C561 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C562 | NCB31AK-334X | C CAPACITOR | 0.33uF 10V K | |
| C563 | NCB31HK-471X | C CAPACITOR | 470pF 50V K | |
| C564 | NCB21EK-223X | C CAPACITOR | 0.022uF 25V K | |
| C565 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C566 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C567 | QEKJ1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C568 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C571 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C572 | QEKJ1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C573 | QEKJ1AM-227Z | E CAPACITOR | 220uF 10V M | |
| C574 | NCB31EK-103X | C CAPACITOR | 0.01uF 25V K | |
| C576 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C577 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C579 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C701 | QEKJ1CM-476Z | E CAPACITOR | 47uF 16V M | |
| C702 | QEKJ1HM-104Z | E CAPACITOR | 0.1uF 50V M | |
| C703 | QEKJ1HM-104Z | E CAPACITOR | 0.1uF 50V M | |
| C709 | NCB31EK-223X | C CAPACITOR | 0.022uF 25V K | |
| C710 | NCB31EK-223X | C CAPACITOR | 0.022uF 25V K | |
| C711 | NCB31EK-103X | C CAPACITOR | 0.01uF 25V K | |
| C712 | QEKJ1HM-104Z | E CAPACITOR | 0.1uF 50V M | |
| C714 | NCS31HJ-121X | C CAPACITOR | 120pF 50V J | |
| C717 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J | |
| C718 | NCB31EK-223X | C CAPACITOR | 0.022uF 25V K | |
| C720 | QEKJ1AM-227Z | E CAPACITOR | 220uF 10V M | |
| C725 | NCB31EK-103X | C CAPACITOR | 0.01uF 25V K | |
| C731 | QEKJ1HM-225Z | E CAPACITOR | 2.2uF 50V M | |
| C732 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C733 | QEKJ1AM-227Z | E CAPACITOR | 220uF 10V M | |
| C801 | QEKJ0JM-227Z | E CAPACITOR | 220uF 6.3V M | |
| C802 | NCB31EK-103X | C CAPACITOR | 0.01uF 25V K | |
| C803 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J | |
| C804 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | |
| C807 | QEKJ1CM-106Z | E CAPACITOR | 10uF 16V M | |
| C821 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C822 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C823 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C824 | NCB31HK-221X | C CAPACITOR | 220pF 50V K | |
| C861 | QEKJ0JM-227Z | E CAPACITOR | 220uF 6.3V M | |
| C862 | NCB31EK-823X | C CAPACITOR | 0.082uF 25V K | |
| C901 | QEZ0676-338 | E CAPACITOR | 3300uF | |
| C902 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C903 | QEKJ1CM-226Z | E CAPACITOR | 22uF 16V M | |
| C904 | QEKJ1CM-226Z | E CAPACITOR | 22uF 16V M | |
| C905 | QEKJ1CM-226Z | E CAPACITOR | 22uF 16V M | |
| C906 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C907 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C908 | QEKJ1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C909 | QEKJ1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C910 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C911 | QEKJ1AM-227Z | E CAPACITOR | 220uF 10V M | |
| C914 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C915 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| C916 | QEKJ1HM-225Z | E CAPACITOR | 2.2uF 50V M | |
| R101 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R102 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R151 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R152 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R153 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R154 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R155 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R156 | NRS181J-223X | MG RESISTOR | 22kΩ 1/8W J | |
| R201 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R202 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R251 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R252 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R253 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R254 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R255 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R256 | NRS181J-223X | MG RESISTOR | 22kΩ 1/8W J | |
| R301 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R302 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R303 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R304 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R307 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R308 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R321 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R322 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R323 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R333 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R334 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R336 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R401 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R402 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R403 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R404 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R407 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R408 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R433 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R434 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R436 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R501 | NRSA02J-220X | MG RESISTOR | 22Ω 1/10W J | |
| R502 | NRSA02J-220X | MG RESISTOR | 22Ω 1/10W J | |
| R503 | NRS181J-393X | MG RESISTOR | 39kΩ 1/8W J | |
| R504 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R505 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R506 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R507 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R508 | NRSA63J-274X | MG RESISTOR | 270kΩ 1/16W J | |
| R509 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J | |
| R510 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | |
| R511 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R512 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R513 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R516 | NRSA63J-623X | MG RESISTOR | 62kΩ 1/16W J | |
| R518 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R524 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R525 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R526 | NRS181J-120X | MG RESISTOR | 12Ω 1/8W J | |
| R541 | NRSA02J-682X | MG RESISTOR | 6.8kΩ 1/10W J | |
| R542 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| R543 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R544 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R545 | NRSA63J-202X | MG RESISTOR | 2kΩ 1/16W J | |
| R546 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R547 | NRSA63J-274X | MG RESISTOR | 270kΩ 1/16W J | |
| R548 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R550 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R551 | NRSA63J-202X | MG RESISTOR | 2kΩ 1/16W J | |
| R552 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R553 | NRS181J-0R0X | MG RESISTOR | 0Ω 1/8W J | |
| R554 | NRS181J-513X | MG RESISTOR | 51kΩ 1/8W J | |
| R557 | NRSA02J-151X | MG RESISTOR | 150Ω 1/10W J | |
| R558 | NRSA02J-103X | MG RESISTOR | 10kΩ 1/10W J | |
| R559 | NRS181J-332X | MG RESISTOR | 3.3kΩ 1/8W J | |
| R560 | NRS181J-101X | MG RESISTOR | 100Ω 1/8W J | |
| R561 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R562 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R563 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R564 | NRS181J-102X | MG RESISTOR | 1kΩ 1/8W J | |
| R567 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J | |
| R568 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J | |
| R569 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R570 | NRS181J-102X | MG RESISTOR | 1kΩ 1/8W J | |
| R571 | NRS181J-104X | MG RESISTOR | 100kΩ 1/8W J | |
| R573 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J | |
| R574 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R575 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R576 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R581 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R596 | NRSA02J-822X | MG RESISTOR | 8.2kΩ 1/10W J | |
| R701 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R702 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R703 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R704 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R705 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R708 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R725 | NRSA63J-820X | MG RESISTOR | 82Ω 1/16W J | |
| R733 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R735 | NRS181J-152X | MG RESISTOR | 1.5kΩ 1/8W J | |
| R736 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R737 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R791 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R792 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R793 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R794 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R795 | NRS181J-150X | MG RESISTOR | 15Ω 1/8W J | |
| R796 | NRS181J-150X | MG RESISTOR | 15Ω 1/8W J | |

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R797 | NRS181J-100X | MG RESISTOR | 10Ω 1/8W J | |
| R798 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R801 | NRS181J-103X | MG RESISTOR | 10kΩ 1/8W J | |
| R803 | NRS181J-332X | MG RESISTOR | 3.3kΩ 1/8W J | |
| R804 | NRS181J-332X | MG RESISTOR | 3.3kΩ 1/8W J | |
| R805 | NRS181J-332X | MG RESISTOR | 3.3kΩ 1/8W J | |
| R807 | NRS181J-473X | MG RESISTOR | 47kΩ 1/8W J | |
| R808 | NRS181J-102X | MG RESISTOR | 1kΩ 1/8W J | |
| R809 | NRS181J-103X | MG RESISTOR | 10kΩ 1/8W J | |
| R811 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R812 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R813 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R814 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R815 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R817 | NRS181J-472X | MG RESISTOR | 4.7kΩ 1/8W J | |
| R818 | NRS181J-473X | MG RESISTOR | 47kΩ 1/8W J | |
| R820 | NRS181J-473X | MG RESISTOR | 47kΩ 1/8W J | |
| R822 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R823 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R825 | NRS181J-473X | MG RESISTOR | 47kΩ 1/8W J | |
| R826 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R827 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R828 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R829 | NRS181J-473X | MG RESISTOR | 47kΩ 1/8W J | |
| R830 | NRS181J-223X | MG RESISTOR | 22kΩ 1/8W J | |
| R831 | NRS181J-472X | MG RESISTOR | 4.7kΩ 1/8W J | |
| R832 | NRS181J-223X | MG RESISTOR | 22kΩ 1/8W J | |
| R833 | NRS181J-472X | MG RESISTOR | 4.7kΩ 1/8W J | |
| R834 | NRS181J-223X | MG RESISTOR | 22kΩ 1/8W J | |
| R835 | NRS181J-472X | MG RESISTOR | 4.7kΩ 1/8W J | |
| R836 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R840 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R841 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R843 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R844 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R861 | NRS181J-471X | MG RESISTOR | 470Ω 1/8W J | |
| R862 | NRS181J-471X | MG RESISTOR | 470Ω 1/8W J | |
| R901 | NRSA63J-912X | MG RESISTOR | 9.1kΩ 1/16W J | |
| R902 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J | |
| R903 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R904 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R905 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R906 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R907 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J | |
| R908 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J | |
| R909 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R910 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R911 | NRS181J-473X | MG RESISTOR | 47kΩ 1/8W J | |
| L501 | QQL231K-4R7Y | INDUCTOR I/M | 4.7uH K | |
| L561 | QQL231K-4R7Y | INDUCTOR I/M | 4.7uH K | |
| L562 | QQL231K-4R7Y | INDUCTOR I/M | 4.7uH K | |
| L701 | QQL231K-4R7Y | INDUCTOR I/M | 4.7uH K | |
| L801 | QQL231K-4R7Y | INDUCTOR I/M | 4.7uH K | |
| L901 | QQR0703-001 | CHOKE COIL | | |
| CJ321 | QNN0519-001 | PIN JACK | | |
| CJ701 | QNB0190-001 | CAR ANT JACK | | |
| CN501 | QGB2027M4-22S | CONNECTOR | B-B (1-22) | |
| CN801 | QGZ1601J1-15 | CONNECTOR | (1-15) | |
| CN901 | QNZ0611-001 | 16P CONNECTOR | | |
| TU701 | QAU0394-001 | TUNER PACK | | |
| X561 | QAX0714-001Z | C RESONATOR | 16.000MHz | |
| X801 | QAX0406-001Z | CRYSTAL | 4.500MHz | |

# Switch board(KD-G110,D-S11_J)

Block No. [0][2]

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC601 | PT6523LQ-L | LCD DRIVER | | |
| D601 | SML-310VT/JK/-X | LED | | |
| D602 | SML-310VT/JK/-X | LED | | |
| D603 | SML-310VT/JK/-X | LED | | |
| D604 | SML-310VT/JK/-X | LED | | |
| D605 | SML-310VT/JK/-X | LED | | |
| D606 | SML-310VT/JK/-X | LED | | |
| D607 | SML-310VT/JK/-X | LED | | |
| D608 | SML-310LT/MN/-X | LED | | G110J |
| D608 | SML-310VT/JK/-X | LED | | S11J |
| D609 | SML-310LT/MN/-X | LED | | G110J |
| D609 | SML-310VT/JK/-X | LED | | S11J |
| D610 | SML-310VT/JK/-X | LED | | |
| D611 | SML-310VT/JK/-X | LED | | |
| D612 | SML-310VT/JK/-X | LED | | |
| D613 | SML-310VT/JK/-X | LED | | |
| D614 | SML-310VT/JK/-X | LED | | |
| D615 | SML-310VT/JK/-X | LED | | |
| D616 | SML-310VT/JK/-X | LED | | |
| D617 | SML-310VT/JK/-X | LED | | |
| D618 | SML-310LT/MN/-X | LED | | |
| D631 | NSPW310BS/B2RS/ | LED | | G110J |
| D631 | NSPW310BS/BRS/ | LED | | S11J |
| D632 | NSPW310BS/B2RS/ | LED | | G110J |
| D632 | NSPW310BS/BRS/ | LED | | S11J |
| D641 | MA8051/M/-X | Z DIODE | | |
| D643 | KDS4148U-X | DIODE | | |
| C601 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K | |
| C602 | NCS31HJ-681X | C CAPACITOR | 680pF 50V J | |
| C603 | NBE20JM-106X | TA E CAPACITOR | 10uF 6.3V M | |
| R601 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J | |
| R602 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| R603 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J | |
| R604 | NRSA63J-911X | MG RESISTOR | 910Ω 1/16W J | |
| R605 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J | |
| R606 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| R607 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J | |
| R608 | NRSA63J-911X | MG RESISTOR | 910Ω 1/16W J | |
| R609 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| R610 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R611 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J | |
| R612 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| R613 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J | |
| R614 | NRSA63J-911X | MG RESISTOR | 910Ω 1/16W J | |
| R615 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| R627 | NRSA02J-391X | MG RESISTOR | 390Ω 1/10W J | |
| R628 | NRSA02J-391X | MG RESISTOR | 390Ω 1/10W J | |
| R629 | NRSA63J-911X | MG RESISTOR | 910Ω 1/16W J | |
| R630 | NRSA63J-132X | MG RESISTOR | 1.3kΩ 1/16W J | |
| R631 | NRSA63J-132X | MG RESISTOR | 1.3kΩ 1/16W J | |
| R632 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R634 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R636 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R638 | NRSA63J-511X | MG RESISTOR | 510Ω 1/16W J | G110J |
| R638 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | S11J |
| R640 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R642 | NRSA63J-132X | MG RESISTOR | 1.3kΩ 1/16W J | |
| R643 | NRSA63J-132X | MG RESISTOR | 1.3kΩ 1/16W J | |
| R644 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R651 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R652 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R653 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R654 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R655 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R656 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R657 | NRSA63J-513X | MG RESISTOR | 51kΩ 1/16W J | |
| R658 | NRSA63J-184X | MG RESISTOR | 180kΩ 1/16W J | |
| R671 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| CJ601 | QGZ1601K1-15S | CONNECTOR | (1-15) | |

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| S601 | NSW0124-001X | TACT SW | | |
| S602 | NSW0124-001X | TACT SW | | |
| S603 | NSW0124-001X | TACT SW | | |
| S604 | NSW0124-001X | TACT SW | | |
| S605 | NSW0124-001X | TACT SW | | |
| S606 | NSW0124-001X | TACT SW | | |
| S607 | NSW0124-001X | TACT SW | | |
| S608 | NSW0124-001X | TACT SW | | |
| S609 | NSW0124-001X | TACT SW | | |
| S610 | NSW0124-001X | TACT SW | | |
| S611 | NSW0124-001X | TACT SW | | |
| S612 | NSW0124-001X | TACT SW | | |
| S613 | NSW0124-001X | TACT SW | | |
| S614 | NSW0124-001X | TACT SW | | |
| S615 | NSW0124-001X | TACT SW | | |
| S616 | NSW0124-001X | TACT SW | | |
| S617 | NSW0124-001X | TACT SW | | |
| S618 | NSW0124-001X | TACT SW | | |

# Main board(KD-G110,KD-S11_J2)

Block No. [0][3]

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC161 | TEA6320T-X | IC | | |
| IC301 | LA47516 | POWER IC | | |
| IC501 | TA2157FN-X | RF AMP IC | | |
| IC521 | TC94A14FA | CD LSI IC | | |
| IC561 | LA6242H-X | IC | | |
| IC571 | NJM4565M-WE | IC | | |
| IC701 | UPD178078GF-707 | IC | | |
| IC901 | HA13164A | IC | | |
| Q1 | UN2211-X | TRANSISTOR | | |
| Q4 | 2SB709A/R/-X | TRANSISTOR | | |
| Q5 | 2SB624/4/-X | TRANSISTOR | | |
| Q6 | UN2211-X | TRANSISTOR | | |
| Q7 | UN2211-X | TRANSISTOR | | |
| Q31 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q32 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q41 | 2SC3661-X | TRANSISTOR | | |
| Q42 | 2SC3661-X | TRANSISTOR | | |
| Q341 | KTD1304-X | TRANSISTOR | | |
| Q351 | KTD1304-X | TRANSISTOR | | |
| Q501 | 2SB1241/QR/-T | TRANSISTOR | | |
| Q521 | UN2111-X | TRANSISTOR | | |
| Q522 | UN2211-X | TRANSISTOR | | |
| Q561 | 2SB1322/RS/-T | TRANSISTOR | | |
| Q781 | UN2111-X | TRANSISTOR | | |
| Q782 | UN2213-X | DIGI TRANSISTOR | | |
| Q783 | UN2111-X | TRANSISTOR | | |
| Q901 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q902 | UN2211-X | TRANSISTOR | | |
| D1 | MA111-X | SI DIODE | | |
| D2 | MA111-X | SI DIODE | | |
| D3 | MA111-X | SI DIODE | | |
| D4 | MA111-X | SI DIODE | | |
| D321 | MA111-X | SI DIODE | | |
| D341 | MA111-X | SI DIODE | | |
| D561 | 1A3G-T1 | SI DIODE | | |
| D702 | MA8062/M/-X | Z DIODE | | |
| D703 | MA8062/M/-X | Z DIODE | | |
| D704 | MA8062/M/-X | Z DIODE | | |
| D705 | MA8062/M/-X | Z DIODE | | |
| D706 | MA8062/M/-X | Z DIODE | | |
| D707 | MA8062/M/-X | Z DIODE | | |
| D708 | MA8062/M/-X | Z DIODE | | |
| D781 | MA111-X | SI DIODE | | |
| D782 | MA111-X | SI DIODE | | |
| D783 | MA8091/M/-X | Z DIODE | | |
| D901 | 1N5401-F64 | DIODE | | |
| D902 | MA111-X | SI DIODE | | |
| D971 | RB160M-30-X | SB DIODE | | |
| D972 | RB160M-30-X | SB DIODE | | |
| C2 | NCB31EK-223X | C CAPACITOR | 0.022uF 25V K | |
| C3 | QEKJ1CM-106Z | E CAPACITOR | 10uF 16V M | |
| C6 | QEKJ1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C8 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9 | QEKJ1AM-227Z | E CAPACITOR | 220uF 10V M | |
| C10 | QEKJ1HM-104Z | E CAPACITOR | 0.1uF 50V M | |
| C11 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J | |
| C15 | QEKJ1HM-224Z | E CAPACITOR | 0.22uF 50V M | |
| C18 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C19 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J | |
| C31 | QEKJ1HM-225Z | E CAPACITOR | 2.2uF 50V M | |
| C32 | NCS31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C41 | NCB31EK-563X | C CAPACITOR | 0.056uF 25V K | |
| C42 | NCB31EK-123X | C CAPACITOR | 0.012uF 25V K | |
| C43 | QEKJ1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C55 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C81 | NCB31HK-333X | C CAPACITOR | 0.033uF 50V K | |
| C91 | NCB31HK-333X | C CAPACITOR | 0.033uF 50V K | |
| C162 | NCB31HK-822X | C CAPACITOR | 8200pF 50V K | |
| C163 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K | |
| C164 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K | |

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C165 | NCB31CK-333X | C CAPACITOR | 0.033uF 16V K | |
| C166 | NCB31HK-562X | C CAPACITOR | 5600pF 50V K | |
| C167 | QEKJ1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C168 | QEKJ1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C172 | NCB31HK-822X | C CAPACITOR | 8200pF 50V K | |
| C173 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K | |
| C174 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K | |
| C175 | NCB31CK-333X | C CAPACITOR | 0.033uF 16V K | |
| C176 | NCB31HK-562X | C CAPACITOR | 5600pF 50V K | |
| C177 | QEKJ1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C178 | QEKJ1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C182 | QTE1H54-225Z | E CAPACITOR | 2.2uF 50V | |
| C183 | QTE1H54-225Z | E CAPACITOR | 2.2uF 50V | |
| C185 | QEKJ1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C186 | QEKJ1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C191 | QEKJ1CM-476Z | E CAPACITOR | 47uF 16V M | |
| C192 | QEKJ1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C193 | QEKJ1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C194 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |
| C195 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K | |
| C196 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C301 | QEKJ1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C302 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K | |
| C303 | QERF1CM-476Z | E CAPACITOR | 47uF 16V M | |
| C304 | QEKJ1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C305 | QERF1CM-226Z | E CAPACITOR | 22uF 16V M | |
| C306 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K | |
| C308 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C309 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C310 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C311 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C312 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C313 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C314 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C315 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C316 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C317 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C318 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C319 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C320 | QERF1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C321 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C322 | QFV91HJ-474Z | MF CAPACITOR | 0.47uF 50V J | |
| C323 | QERF1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C331 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C332 | QFV91HJ-474Z | MF CAPACITOR | 0.47uF 50V J | |
| C333 | NCB31EK-473X | C CAPACITOR | 0.047uF 25V K | |
| C341 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C342 | QFV91HJ-474Z | MF CAPACITOR | 0.47uF 50V J | |
| C351 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C352 | QFV91HJ-474Z | MF CAPACITOR | 0.47uF 50V J | |
| C501 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C502 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C503 | QEKJ0JM-107Z | E CAPACITOR | 100uF 6.3V M | |
| C504 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C505 | QEKJ0JM-107Z | E CAPACITOR | 100uF 6.3V M | |
| C507 | NCB31HK-682X | C CAPACITOR | 6800pF 50V K | |
| C508 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C509 | QEKJ0JM-107Z | E CAPACITOR | 100uF 6.3V M | |
| C510 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C511 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C512 | NDC31HJ-820X | C CAPACITOR | 82pF 50V J | |
| C513 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C514 | NDC31HJ-5R0X | C CAPACITOR | 5pF 50V J | |
| C521 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C522 | QEKJ0JM-107Z | E CAPACITOR | 100uF 6.3V M | |
| C523 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J | |
| C524 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K | |
| C525 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C526 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K | |
| C527 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C528 | NCB31EK-333X | C CAPACITOR | 0.033uF 25V K | |
| C529 | QEKJ0JM-107Z | E CAPACITOR | 100uF 6.3V M | |
| C530 | NCB31EK-333X | C CAPACITOR | 0.033uF 25V K | |
| C531 | NCB31EK-473X | C CAPACITOR | 0.047uF 25V K | |
| C533 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | |
| C534 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | |
| C535 | NCB31EK-473X | C CAPACITOR | 0.047uF 25V K | |

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C536 | NCB31EK-473X | C CAPACITOR | 0.047uF 25V K | |
| C537 | NCB31EK-473X | C CAPACITOR | 0.047uF 25V K | |
| C538 | NCB31EK-473X | C CAPACITOR | 0.047uF 25V K | |
| C539 | QEKJ0JM-107Z | E CAPACITOR | 100uF 6.3V M | |
| C540 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C541 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C544 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C545 | QEKJ0JM-107Z | E CAPACITOR | 100uF 6.3V M | |
| C546 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C547 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C548 | QEKJ0JM-107Z | E CAPACITOR | 100uF 6.3V M | |
| C549 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C550 | QEKJ1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C551 | QEKJ1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C552 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C553 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C554 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C555 | QEKJ0JM-107Z | E CAPACITOR | 100uF 6.3V M | |
| C556 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C559 | NCB31HK-182X | C CAPACITOR | 1800pF 50V K | |
| C560 | NCB31EK-473X | C CAPACITOR | 0.047uF 25V K | |
| C561 | QEKJ0JM-476Z | E CAPACITOR | 47uF 6.3V M | |
| C562 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C563 | QEDJ1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C564 | NCB31EK-473X | C CAPACITOR | 0.047uF 25V K | |
| C565 | NCB31EK-473X | C CAPACITOR | 0.047uF 25V K | |
| C566 | NCB31EK-473X | C CAPACITOR | 0.047uF 25V K | |
| C567 | NCB31EK-473X | C CAPACITOR | 0.047uF 25V K | |
| C568 | NCB31EK-223X | C CAPACITOR | 0.022uF 25V K | |
| C581 | NCS31HJ-821X | C CAPACITOR | 820pF 50V J | |
| C582 | QEKJ1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C583 | NDC31HJ-121X | C CAPACITOR | 120pF 50V J | |
| C584 | NCS31HJ-821X | C CAPACITOR | 820pF 50V J | |
| C585 | QEKJ0JM-476Z | E CAPACITOR | 47uF 6.3V M | |
| C591 | NCS31HJ-821X | C CAPACITOR | 820pF 50V J | |
| C592 | QEKJ1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C593 | NDC31HJ-121X | C CAPACITOR | 120pF 50V J | |
| C594 | NCS31HJ-821X | C CAPACITOR | 820pF 50V J | |
| C595 | QEKJ0JM-476Z | E CAPACITOR | 47uF 6.3V M | |
| C596 | QEKJ1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C597 | NCS31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C703 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C704 | NBE40JM-476X | TA E CAPACITOR | 47uF 6.3V M | |
| C705 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C706 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C707 | NDC31HJ-270X | C CAPACITOR | 27pF 50V J | |
| C708 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J | |
| C709 | QEKJ1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C710 | NCB31EK-103X | C CAPACITOR | 0.01uF 25V K | |
| C711 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C712 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C713 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C714 | NCB31AK-334X | C CAPACITOR | 0.33uF 10V K | |
| C781 | QERF1AM-227Z | E CAPACITOR | 220uF 10V M | |
| C782 | QERF1CM-226Z | E CAPACITOR | 22uF 16V M | |
| C783 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K | |
| C784 | QEKJ1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C901 | QEZ0675-338 | E CAPACITOR | 3300uF | |
| C902 | QEKJ1HM-225Z | E CAPACITOR | 2.2uF 50V M | |
| C903 | QEKJ1CM-476Z | E CAPACITOR | 47uF 16V M | |
| C904 | QEKJ1CM-106Z | E CAPACITOR | 10uF 16V M | |
| C905 | QEKJ1CM-476Z | E CAPACITOR | 47uF 16V M | |
| C906 | NCB31EK-103X | C CAPACITOR | 0.01uF 25V K | |
| C907 | QEKJ1AM-227Z | E CAPACITOR | 220uF 10V M | |
| C908 | QEKJ1AM-227Z | E CAPACITOR | 220uF 10V M | |
| C909 | QEKJ1AM-227Z | E CAPACITOR | 220uF 10V M | |
| C910 | QEKJ1CM-106Z | E CAPACITOR | 10uF 16V M | |
| C911 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C912 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C913 | QEKJ1CM-106Z | E CAPACITOR | 10uF 16V M | |
| C914 | QEKJ1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C915 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C918 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C971 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| R1 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R5 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R6 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R8 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R10 | NRS181J-150X | MG RESISTOR | 15Ω 1/8W J | |
| R11 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R12 | NRS181J-100X | MG RESISTOR | 10Ω 1/8W J | |
| R13 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R14 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R16 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R17 | NRS181J-150X | MG RESISTOR | 15Ω 1/8W J | |
| R31 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R32 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R33 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R35 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R41 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R42 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R43 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R44 | NRSA02J-330X | MG RESISTOR | 33Ω 1/10W J | |
| R45 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R81 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R82 | NRSA63J-432X | MG RESISTOR | 4.3kΩ 1/16W J | |
| R91 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R92 | NRSA63J-432X | MG RESISTOR | 4.3kΩ 1/16W J | |
| R162 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R163 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R164 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J | |
| R165 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R166 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R167 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R168 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R172 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R173 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R174 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J | |
| R175 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R176 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R177 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R178 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R191 | NRS181J-100X | MG RESISTOR | 10Ω 1/8W J | |
| R301 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R341 | NRSA02J-821X | MG RESISTOR | 820Ω 1/10W J | |
| R342 | NRSA02J-101X | MG RESISTOR | 100Ω 1/10W J | |
| R343 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R351 | NRSA02J-821X | MG RESISTOR | 820Ω 1/10W J | |
| R352 | NRSA02J-101X | MG RESISTOR | 100Ω 1/10W J | |
| R353 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R503 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | |
| R504 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | |
| R505 | NRSA63J-334X | MG RESISTOR | 330kΩ 1/16W J | |
| R506 | NRSA63J-334X | MG RESISTOR | 330kΩ 1/16W J | |
| R507 | NRSA02J-220X | MG RESISTOR | 22Ω 1/10W J | |
| R508 | NRSA02J-220X | MG RESISTOR | 22Ω 1/10W J | |
| R509 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | |
| R510 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R511 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R512 | NRSA63J-202X | MG RESISTOR | 2kΩ 1/16W J | |
| R513 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R514 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R515 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R516 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R517 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R519 | NRSA02J-151X | MG RESISTOR | 150Ω 1/10W J | |
| R521 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R522 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R523 | NRSA63J-474X | MG RESISTOR | 470kΩ 1/16W J | |
| R524 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R525 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R526 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R527 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R528 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R529 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R530 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R531 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R532 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R533 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R534 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R535 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R536 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R537 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R538 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R539 | NRSA63J-155X | MG RESISTOR | 1.5MΩ 1/16W J | |
| R561 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R562 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R563 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R564 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R566 | NRSA02J-822X | MG RESISTOR | 8.2kΩ 1/10W J | |
| R567 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R568 | NRSA63J-302X | MG RESISTOR | 3kΩ 1/16W J | |
| R569 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R571 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R572 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R573 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R574 | NRS181J-220X | MG RESISTOR | 22Ω 1/8W J | |
| R575 | NRS181J-220X | MG RESISTOR | 22Ω 1/8W J | |
| R576 | NRSA02J-512X | MG RESISTOR | 5.1kΩ 1/10W J | |
| R577 | NRSA02J-822X | MG RESISTOR | 8.2kΩ 1/10W J | |
| R581 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R582 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R583 | NRSA63J-512X | MG RESISTOR | 5.1kΩ 1/16W J | |
| R584 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R585 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R586 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R587 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R591 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R592 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R593 | NRSA63J-512X | MG RESISTOR | 5.1kΩ 1/16W J | |
| R594 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R595 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R596 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R597 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R705 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R706 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R708 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R709 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R710 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R713 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R714 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R715 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R717 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R718 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R719 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R720 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R721 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R722 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R723 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R724 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R725 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R726 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R727 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R728 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R729 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R730 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R731 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R732 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R735 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R736 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| R738 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R739 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R740 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R741 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R742 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R743 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R744 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R752 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R753 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R754 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R755 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R782 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R901 | QRE142J-102X | C RESISTOR | 1kΩ 1/4W J | |
| R902 | NRSA02J-912X | MG RESISTOR | 9.1kΩ 1/10W J | |
| R903 | NRSA02J-472X | MG RESISTOR | 4.7kΩ 1/10W J | |
| R905 | NRSA02J-822X | MG RESISTOR | 8.2kΩ 1/10W J | |
| R906 | NRSA63J-203X | MG RESISTOR | 20kΩ 1/16W J | |
| R971 | NRS181J-222X | MG RESISTOR | 2.2kΩ 1/8W J | |

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R972 | NRS181J-222X | MG RESISTOR | 2.2kΩ 1/8W J | |
| L1 | QQL244J-4R7Z | COIL | 4.7uH J | |
| L521 | QQL244J-470Z | COIL | 47uH J | |
| L522 | QQL244J-470Z | COIL | 47uH J | |
| L523 | QQL244J-470Z | COIL | 47uH J | |
| L524 | QQL244J-470Z | COIL | 47uH J | |
| L701 | QQL244K-4R7Z | COIL | 4.7uH K | |
| L702 | QQL244K-4R7Z | COIL | 4.7uH K | |
| L703 | QQL244K-4R7Z | COIL | 4.7uH K | |
| L901 | QQR0703-001 | CHOKE COIL | | |
| CN501 | QGB2027M4-22S | CONNECTOR | B-B (1-22) | |
| CN701 | QGZ1601J1-15 | CONNECTOR | (1-15) | |
| CN901 | QNZ0611-001 | 16P CONNECTOR | | |
| J1 | QNB0100-002 | CAR ANT JACK | | |
| J301 | QNN0519-001 | PIN JACK | | |
| TU1 | QAU0281-001 | TUNER PACK | | |
| X521 | QAX0413-001Z | CRYSTAL | 16.9344MHz | |
| X701 | QAX0406-001Z | CRYSTAL | 4.500MHz | |

## Switch board(KD-G110,KD-S11_J2)

Block No. [0][4]

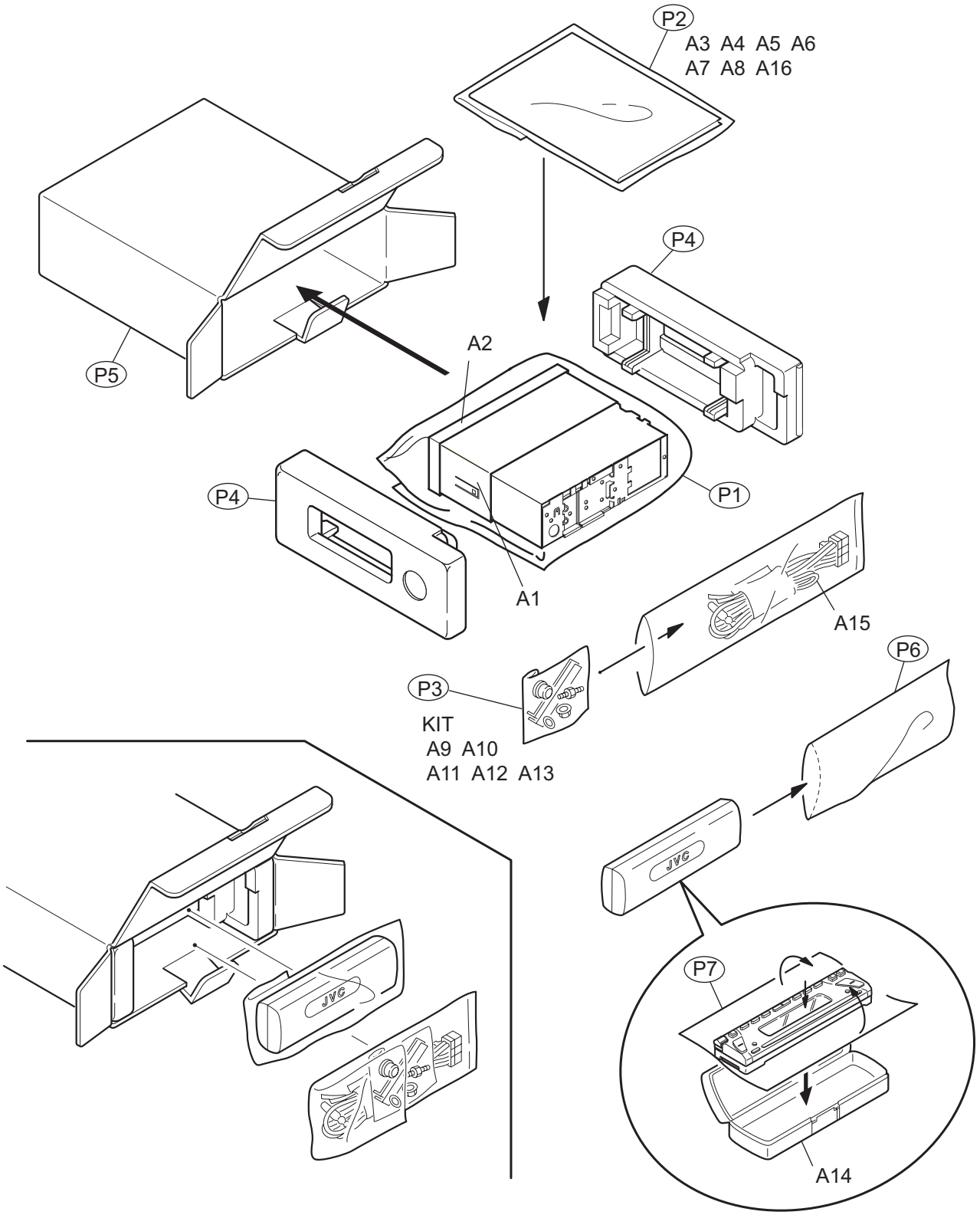
| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC601 | PT6523LQ-L | LCD DRIVER | | |
| D601 | SML-310VT/JK/-X | LED | | |
| D602 | SML-310VT/JK/-X | LED | | |
| D603 | SML-310VT/JK/-X | LED | | |
| D604 | SML-310VT/JK/-X | LED | | |
| D605 | SML-310VT/JK/-X | LED | | |
| D606 | SML-310VT/JK/-X | LED | | |
| D607 | SML-310VT/JK/-X | LED | | |
| D608 | SML-310LT/MN/-X | LED | | G110J2 |
| D608 | SML-310VT/JK/-X | LED | | S11J2 |
| D609 | SML-310LT/MN/-X | LED | | G110J2 |
| D609 | SML-310VT/JK/-X | LED | | S11J2 |
| D610 | SML-310VT/JK/-X | LED | | |
| D611 | SML-310VT/JK/-X | LED | | |
| D612 | SML-310VT/JK/-X | LED | | |
| D613 | SML-310VT/JK/-X | LED | | |
| D614 | SML-310VT/JK/-X | LED | | |
| D615 | SML-310VT/JK/-X | LED | | |
| D616 | SML-310VT/JK/-X | LED | | |
| D617 | SML-310VT/JK/-X | LED | | |
| D618 | SML-310LT/MN/-X | LED | | |
| D631 | NSPW310BS/B2RS/ | LED | | G110J2 |
| D631 | NSPW310BS/BRS/ | LED | | S11J2 |
| D632 | NSPW310BS/B2RS/ | LED | | G110J2 |
| D632 | NSPW310BS/BRS/ | LED | | S11J2 |
| D641 | MA8051/M/-X | Z DIODE | | |
| D643 | KDS4148U-X | DIODE | | |
| C601 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K | |
| C602 | NCS31HJ-681X | C CAPACITOR | 680pF 50V J | |
| C603 | NBE20JM-106X | TA E CAPACITOR | 10uF 6.3V M | |
| R601 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R602 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R603 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| R604 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R605 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R606 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R607 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| R608 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R609 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R610 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R611 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R612 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R613 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| R614 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R615 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R627 | NRSA02J-391X | MG RESISTOR | 390Ω 1/10W J | |
| R628 | NRSA02J-391X | MG RESISTOR | 390Ω 1/10W J | |
| R629 | NRSA63J-911X | MG RESISTOR | 910Ω 1/16W J | |
| R630 | NRSA63J-132X | MG RESISTOR | 1.3kΩ 1/16W J | |
| R631 | NRSA63J-132X | MG RESISTOR | 1.3kΩ 1/16W J | |
| R632 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R634 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R636 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R638 | NRSA63J-511X | MG RESISTOR | 510Ω 1/16W J | G110J2 |
| R638 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | S11J2 |
| R640 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R642 | NRSA63J-132X | MG RESISTOR | 1.3kΩ 1/16W J | |
| R643 | NRSA63J-132X | MG RESISTOR | 1.3kΩ 1/16W J | |
| R644 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R651 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R652 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R653 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R654 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R655 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R656 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R657 | NRSA63J-513X | MG RESISTOR | 51kΩ 1/16W J | |
| R658 | NRSA63J-184X | MG RESISTOR | 180kΩ 1/16W J | |
| R671 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| CJ601 | QGZ1601K1-15S | CONNECTOR | (1-15) | |
| S601 | NSW0124-001X | TACT SW | | |
| S602 | NSW0124-001X | TACT SW | | |
| S603 | NSW0124-001X | TACT SW | | |
| S604 | NSW0124-001X | TACT SW | | |
| S605 | NSW0124-001X | TACT SW | | |
| S606 | NSW0124-001X | TACT SW | | |
| S607 | NSW0124-001X | TACT SW | | |
| S608 | NSW0124-001X | TACT SW | | |
| S609 | NSW0124-001X | TACT SW | | |
| S610 | NSW0124-001X | TACT SW | | |
| S611 | NSW0124-001X | TACT SW | | |
| S612 | NSW0124-001X | TACT SW | | |
| S613 | NSW0124-001X | TACT SW | | |
| S614 | NSW0124-001X | TACT SW | | |
| S615 | NSW0124-001X | TACT SW | | |
| S616 | NSW0124-001X | TACT SW | | |
| S617 | NSW0124-001X | TACT SW | | |
| S618 | NSW0124-001X | TACT SW | | |

# Packing materials and accessories parts list

Block No. M 3 M M

No additional / supplemental order of WARRANTY CARDs are available.



# Packing and Accessories

Block No. [M][3][M][M]

| ⚠ | Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | A 1 | GE20137-005A-N | MOUNTING SLEEVE | | G110J2 |
| | A 1 | GE20137-003A | MOUNTING SLEEVE | | G110J,S11J,S11J2 |
| | A 2 | GE20135-010A | TRIM PLATE | | G110J,G110J2 |
| | A 2 | GE20135-009A | TRIM PLATE | | S11J,S11J2 |
| | A 3 | GET0251-001A | INST BOOK | ENG SPA FRE | G110J,G110J2 |
| | A 3 | GET0249-001A | INST BOOK | ENG SPA FRE | S11J,S11J2 |
| | A 4 | GET0251-002A | INSTALL MANUAL | ENG SPA FRE | G110J,G110J2 |
| | A 4 | GET0249-002A | INSTALL MANUAL | ENG SPA FRE | S11J,S11J2 |
| | A 5 | LVT0717-001B | TROUBLE SHEET(C | | |
| | A 6 | ---------- | WARRANTY CARD | BT-52006-2 | |
| | A 7 | ---------- | WARRANTY CARD | BT-51018-4 | |
| | A 8 | BT-51034-2 | REGISTRATION CARD | | |
| | A 9 | VKZ4027-202 | PLUG NUT | | |
| | A 10 | VKH4871-003 | MOUNT BOLT | | |
| | A 11 | VKZ4328-003 | LOCK NUT | | |
| | A 12 | QYWWS53A008ZA | WASHER | 0mm/5.3mm x | |
| | A 13 | GE40130-002A | HOOK | (x2) | |
| | A 14 | FSJB3002-00C-N | HARD CASE | | G110J2 |
| | A 14 | FSJB3002-00C | HARD CASE | | G110J,S11J,S11J2 |
| | A 15 | QAM0013-007 | 16P CORD ASSY | | |
| | A 16 | GET0222-001A | TAG CAUTION SH | | S11J,S11J2 |
| | KIT | SRW-385U | SCREW PART KIT | A9 A10 A11 A12 A13 | |
| | P 1 | QPC03004315P | POLY BAG | 30cm x 43cm | |
| | P 2 | FSPG4002-001 | POLY BAG | | |
| | P 3 | QPA00801205 | POLY BAG | 8cm x 12cm | |
| | P 4 | GE10070-003A | EPS CUSHION | | |
| | P 5 | GE31390-001A | CARTON | | G110J,G110J2 |
| | P 5 | GE31387-001A | CARTON | | S11J,S11J2 |
| | P 6 | QPA01003003 | POLY BAG | 10cm x 30cm | |
| | P 7 | FSYH4036-068 | SHEET | | |